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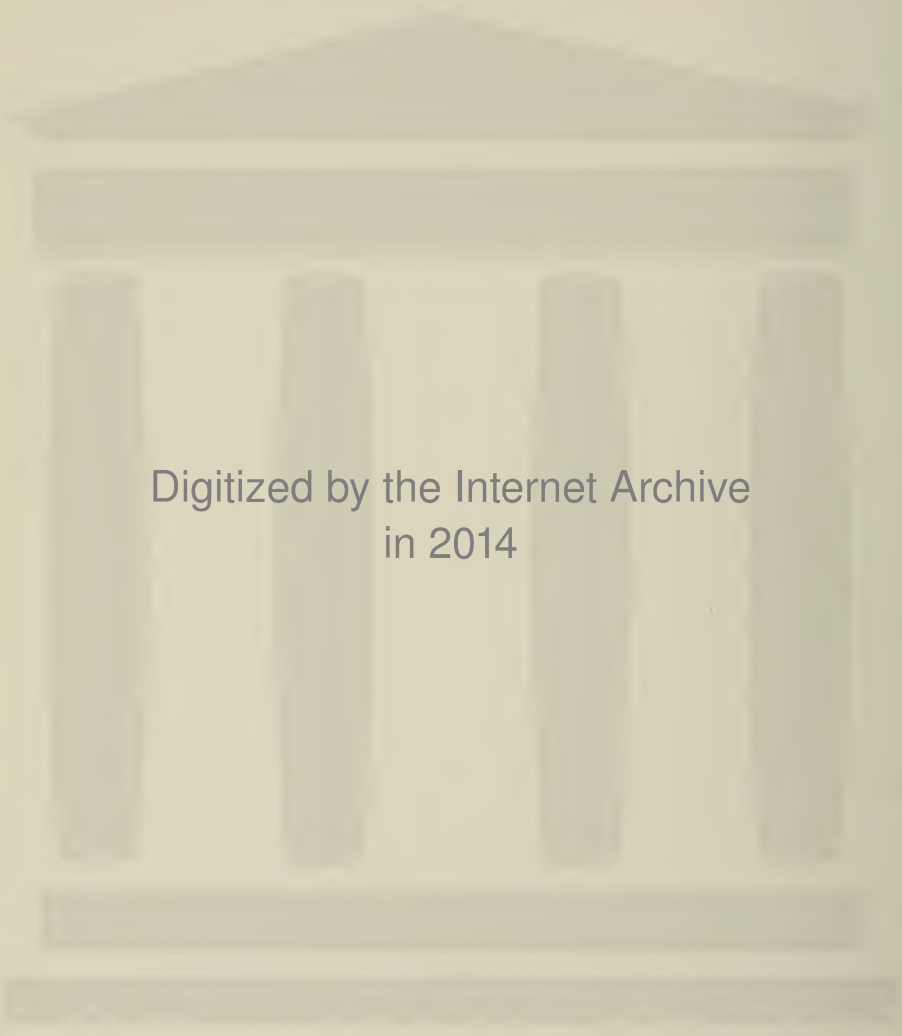
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TITLES

OF

PATENTS OF INVENTION,

CHRONOLOGICALLY ARRANGED

From March 2, 1617 (14 James I.) to October 1, 1852 (16 Victoriæ).

Part I.

Nos. 1 to 4,800, pages 1 to 784.

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15 & 16 VICTORIÆ, Cap. 83. Sec. XXXII.

TITLES

OF

PATENTS OF INVENTION,

CHRONOLOGICALLY ARRANGED

FROM MARCH 2, 1617 (14 JAMES I.) TO OCTOBER 1, 1852 (16 VICTORIÆ).

Printed and Published by Order of the Honourable the Commissioners of Patents,

UNDER THE

ACT of 15 & 16 VICTORIÆ, Cap. 83. Sec. XXXII.

BY BENNET WOODCROFT,

SUPERINTENDENT OF SPECIFICATIONS, INDEXES, &C.

LONDON:

PRINTED BY GEORGE EDWARD EYRE AND WILLIAM SPOTTISWOODE,
PRINTERS TO THE QUEEN'S MOST EXCELLENT MAJESTY.

PUBLISHED AT THE QUEEN'S PRINTING OFFICE, EAST HARDING STREET,
NEAR FLEET STREET.

1854.

608
G79c
1617/1852

TABLE OF YEARS

OF

EACH MONARCH'S REIGN,

COMMENCING WITH THAT OF

JAMES THE FIRST.

LONDON:
PRINTED BY GEORGE E. EYRE AND WILLIAM SPOTTISWOODE,
PRINTERS TO THE QUEEN'S MOST EXCELLENT MAJESTY.

1854.

6072

JAMES THE FIRST.

Reign - - { Began March 24, 1603. / Ended March 27, 1625.

From March 24, 1603 to March 23, 1604	1	March 24, 1610 – March 23, 1611	8	March 24, 1618 – March 23, 1619	16
March 24, 1604 – March 23, 1605	2	March 24, 1611 – March 23, 1612	9	March 24, 1619 – March 23, 1620	17
March 24, 1605 – March 23, 1606	3	March 24, 1612 – March 23, 1613	10	March 24, 1620 – March 23, 1621	18
March 24, 1606 – March 23, 1607	4	March 24, 1613 – March 23, 1614	11	March 24, 1621 – March 23, 1622	19
March 24, 1607 – March 23, 1608	5	March 24, 1614 – March 23, 1615	12	March 24, 1622 – March 23, 1623	20
March 24, 1608 – March 23, 1609	6	March 24, 1615 – March 23, 1616	13	March 24, 1623 – March 23, 1624	21
March 24, 1609 – March 23, 1610	7	March 24, 1616 – March 23, 1617	14	March 24, 1624 – March 23, 1625	22
		March 24, 1617 – March 23, 1618	15	March 24, 1625 – March 27, 1625	23

CHARLES THE FIRST.

Reign - - { Began March 27, 1625. / Ended January 30, 1649.

From March 27, 1625 to March 26, 1626	1	March 27, 1633 – March 26, 1634	9	March 27, 1641 – March 26, 1642	17
March 27, 1626 – March 26, 1627	2	March 27, 1634 – March 26, 1635	10	March 27, 1642 – March 26, 1643	18
March 27, 1627 – March 26, 1628	3	March 27, 1635 – March 26, 1636	11	March 27, 1643 – March 26, 1644	19
March 27, 1628 – March 26, 1629	4	March 27, 1636 – March 26, 1637	12	March 27, 1644 – March 26, 1645	20
March 27, 1629 – March 26, 1630	5	March 27, 1637 – March 26, 1638	13	March 27, 1645 – March 26, 1646	21
March 27, 1630 – March 26, 1631	6	March 27, 1638 – March 26, 1639	14	March 27, 1646 – March 26, 1647	22
March 27, 1631 – March 26, 1632	7	March 27, 1639 – March 26, 1640	15	March 27, 1647 – March 26, 1648	23
March 27, 1632 – March 26, 1633	8	March 27, 1640 – March 26, 1641	16	March 27, 1648 – Jan. 30, 1649	24

THE COMMONWEALTH.

Began January 30, 1649.
Ended May 29, 1660.

From January 30, 1649 to January 29, 1650	1	January 30, 1653 – January 29, 1654	5	January 30, 1657 – January 29, 1658	9
January 30, 1650 – January 29, 1651	2	January 30, 1654 – January 29, 1655	6	January 30, 1658 – January 29, 1659	10
January 30, 1651 – January 29, 1652	3	January 30, 1655 – January 29, 1656	7	January 30, 1659 – January 29, 1660	11
January 30, 1652 – January 29, 1653	4	January 30, 1656 – January 29, 1657	8	January 30, 1660 – May 29, 1660	12

CHARLES THE SECOND.

Reign – Began January 30, 1649. Ended February 6, 1685.

Commonwealth. To May 29, 1660.

From January 30, 1649 to January 29, 1650	1	January 30, 1661 – January 29, 1662	13	January 30, 1674 – January 29, 1675	26
January 30, 1650 – January 29, 1651	2	January 30, 1662 – January 29, 1663	14	January 30, 1675 – January 29, 1676	27
January 30, 1651 – January 29, 1652	3	January 30, 1663 – January 29, 1664	15	January 30, 1676 – January 29, 1677	28
January 30, 1652 – January 29, 1653	4	January 30, 1664 – January 29, 1665	16	January 30, 1677 – January 29, 1678	29
January 30, 1653 – January 29, 1654	5	January 30, 1665 – January 29, 1666	17	January 30, 1678 – January 29, 1679	30
January 30, 1654 – January 29, 1655	6	January 30, 1666 – January 29, 1667	18	January 30, 1679 – January 29, 1680	31
January 30, 1655 – January 29, 1656	7	January 30, 1667 – January 29, 1668	19	January 30, 1680 – January 29, 1681	32
January 30, 1656 – January 29, 1657	8	January 30, 1668 – January 29, 1669	20	January 30, 1681 – January 29, 1682	33
January 30, 1657 – January 29, 1658	9	January 30, 1669 – January 29, 1670	21	January 30, 1682 – January 29, 1683	34
January 30, 1658 – January 29, 1659	10	January 30, 1670 – January 29, 1671	22	January 30, 1683 – January 29, 1684	35
January 30, 1659 – January 29, 1660	11	January 30, 1671 – January 29, 1672	23	January 30, 1684 – January 29, 1685	36
January 30, 1660 – January 29, 1661	12	January 30, 1672 – January 29, 1673	24	January 30, 1685 – February 6, 1685	37
		January 30, 1673 – January 29, 1674	25		

JAMES THE SECOND.

Reign - - { Began February 6, 1685. / Ended February 13, 1689.

From February 6, 1685 to February 5, 1686	1	February 6, 1686 – February 5, 1687	2
		February 6, 1687 – February 5, 1688	3
		February 6, 1688 – February 5, 1689	4
		February 6, 1689 – February 13, 1689	5

WILLIAM AND MARY.

Reign - - { Began February 13, 1689. / Ended { Queen Mary, December 28, 1694. / King William, March 8, 1702.

From February 13, 1689 to February 12, 1690	1	February 13, 1694 – December 27, 1694	6	December 28, 1697 – December 27, 1698	10
		WILLIAM III.		December 28, 1698 – December 27, 1699	11
February 13, 1690 – February 12, 1691	2	December 28, 1694 – December 27, 1695	7	December 28, 1699 – December 27, 1700	12
February 13, 1691 – February 12, 1692	3	December 28, 1695 – December 27, 1696	8	December 28, 1700 – December 27, 1701	13
February 13, 1692 – February 12, 1693	4	December 28, 1696 – December 27, 1697	9	December 28, 1701 – March 8, 1702	14
February 13, 1693 – February 12, 1694	5				

ANNE.

Reign - - { Began March 8, 1702. / Ended August 6, 1714.

From March 8, 1702 to March 7, 1703	1	March 8, 1706 – March 7, 1707	5	March 8, 1711 – March 7, 1712	10
		March 8, 1707 – March 7, 1708	6	March 8, 1712 – March 7, 1713	11
March 8, 1703 – March 7, 1704	2	March 8, 1708 – March 7, 1709	7	March 8, 1713 – March 7, 1714	12
March 8, 1704 – March 7, 1705	3	March 8, 1709 – March 7, 1710	8	March 8, 1714 – August 1, 1714	13
March 8, 1705 – March 7, 1706	4	March 8, 1710 – March 7, 1711	9		

GEORGE THE FIRST.

Reign - - { Began August 1, 1714. / Ended June 11, 1727.

From August 1, 1714 to July 31, 1715	1	August 1, 1718 - July 31, 1719	5	August 1, 1723 - July 31, 1724	10
August 1, 1715 - July 31, 1716	2	August 1, 1719 - July 31, 1720	6	August 1, 1724 - July 31, 1725	11
August 1, 1716 - July 31, 1717	3	August 1, 1720 - July 31, 1721	7	August 1, 1725 - July 31, 1726	12
August 1, 1717 - July 31, 1718	4	August 1, 1721 - July 31, 1722	8	August 1, 1726 - June 11, 1727	13
		August 1, 1722 - July 31, 1723	9		

GEORGE THE SECOND.

Reign - - { Began June 11, 1727. / Ended Oct. 25, 1760.

From June 11, 1727 to June 10, 1728	1	June 11, 1738 - June 10, 1739	12	June 11, 1750 - June 10, 1751	24
June 11, 1728 - June 10, 1729	2	June 11, 1739 - June 10, 1740	13	June 11, 1751 - June 10, 1752	25
June 11, 1729 - June 10, 1730	3	June 11, 1740 - June 10, 1741	14	June 11, 1752 - June 10, 1753	26
June 11, 1730 - June 10, 1731	4	June 11, 1741 - June 10, 1742	15	June 11, 1753 - June 10, 1754	27
June 11, 1731 - June 10, 1732	5	June 11, 1742 - June 10, 1743	16	June 11, 1754 - June 10, 1755	28
June 11, 1732 - June 10, 1733	6	June 11, 1743 - June 10, 1744	17	June 11, 1755 - June 10, 1756	29
June 11, 1733 - June 10, 1734	7	June 11, 1744 - June 10, 1745	18	June 11, 1756 - June 10, 1757	30
June 11, 1734 - June 10, 1735	8	June 11, 1745 - June 10, 1746	19	June 11, 1757 - June 10, 1758	31
June 11, 1735 - June 10, 1736	9	June 11, 1746 - June 10, 1747	20	June 11, 1758 - June 10, 1759	32
June 11, 1736 - June 10, 1737	10	June 11, 1747 - June 10, 1748	21	June 11, 1759 - June 10, 1760	33
June 11, 1737 - June 10, 1738	11	June 11, 1748 - June 10, 1749	22	June 11, 1760 - Oct. 25, 1760	34
		June 11, 1749 - June 10, 1750	23		

GEORGE THE THIRD.

Reign - - { Began October 25, 1760. / Ended January 29, 1820.

From October 25, 1760 to October 24, 1761	1	October 25, 1780 - October 24, 1781	21	October 25, 1800 - October 24, 1801	41
October 25, 1761 - October 24, 1762	2	October 25, 1781 - October 24, 1782	22	October 25, 1801 - October 24, 1802	42
October 25, 1762 - October 24, 1763	3	October 25, 1782 - October 24, 1783	23	October 25, 1802 - October 24, 1803	43
October 25, 1763 - October 24, 1764	4	October 25, 1783 - October 24, 1784	24	October 25, 1803 - October 24, 1804	44
October 25, 1764 - October 24, 1765	5	October 25, 1784 - October 24, 1785	25	October 25, 1804 - October 24, 1805	45
October 25, 1765 - October 24, 1766	6	October 25, 1785 - October 24, 1786	26	October 25, 1805 - October 24, 1806	46
October 25, 1766 - October 24, 1767	7	October 25, 1786 - October 24, 1787	27	October 25, 1806 - October 24, 1807	47
October 25, 1767 - October 24, 1768	8	October 25, 1787 - October 24, 1788	28	October 25, 1807 - October 24, 1808	48
October 25, 1768 - October 24, 1769	9	October 25, 1788 - October 24, 1789	29	October 25, 1808 - October 24, 1809	49
October 25, 1769 - October 24, 1770	10	October 25, 1789 - October 24, 1790	30	October 25, 1809 - October 24, 1810	50
October 25, 1770 - October 24, 1771	11	October 25, 1790 - October 24, 1791	31	October 25, 1810 - October 24, 1811	51
October 25, 1771 - October 24, 1772	12	October 25, 1791 - October 24, 1792	32	October 25, 1811 - October 24, 1812	52
October 25, 1772 - October 24, 1773	13	October 25, 1792 - October 24, 1793	33	October 25, 1812 - October 24, 1813	53
October 25, 1773 - October 24, 1774	14	October 25, 1793 - October 24, 1794	34	October 25, 1813 - October 24, 1814	54
October 25, 1774 - October 24, 1775	15	October 25, 1794 - October 24, 1795	35	October 25, 1814 - October 24, 1815	55
October 25, 1775 - October 24, 1776	16	October 25, 1795 - October 24, 1796	36	October 25, 1815 - October 24, 1816	56
October 25, 1776 - October 24, 1777	17	October 25, 1796 - October 24, 1797	37	October 25, 1816 - October 24, 1817	57
October 25, 1777 - October 24, 1778	18	October 25, 1797 - October 24, 1798	38	October 25, 1817 - October 24, 1818	58
October 25, 1778 - October 24, 1779	19	October 25, 1798 - October 24, 1799	39	October 25, 1818 - October 24, 1819	59
October 25, 1779 - October 24, 1780	20	October 25, 1799 - October 24, 1800	40	October 25, 1819 - January 29, 1820	60

GEORGE THE FOURTH.

Reign - - { Began Jan. 29, 1820. / Ended June 26, 1830.

From January 29, 1820 to January 28, 1821	1	January 29, 1823 - January 28, 1824	4	January 29, 1827 - January 28, 1828	8
January 29, 1821 - January 28, 1822	2	January 29, 1824 - January 28, 1825	5	January 29, 1828 - January 28, 1829	9
January 29, 1822 - January 28, 1823	3	January 29, 1825 - January 28, 1826	6	January 29, 1829 - June 26, 1830	10
		January 29, 1826 - January 28, 1827	7		

WILLIAM THE FOURTH.

Reign - - { Began June 26, 1830. / Ended June 20, 1837.

From June 26, 1830 to June 25, 1831	1	June 26, 1832 - June 25, 1833	3	June 26, 1835 - June 25, 1836	6
June 26, 1831 - June 25, 1832	2	June 26, 1833 - June 25, 1834	4	June 26, 1836 - June 20, 1837	7
		June 26, 1834 - June 25, 1835	5		

VICTORIA.

Reign began June 20, 1837.

From June 20, 1837 to June 19, 1838	1	June 20, 1842 - June 19, 1843	6	June 20, 1848 - June 19, 1849	12
June 20, 1838 - June 19, 1839	2	June 20, 1843 - June 19, 1844	7	June 20, 1849 - June 19, 1850	13
June 20, 1839 - June 19, 1840	3	June 20, 1844 - June 19, 1845	8	June 20, 1850 - June 19, 1851	14
June 20, 1840 - June 19, 1841	4	June 20, 1845 - June 19, 1846	9	June 20, 1851 - June 19, 1852	15
June 20, 1841 - June 19, 1842	5	June 20, 1846 - June 19, 1847	10	June 20, 1852 - June 19, 1853	16
		June 20, 1847 - June 19, 1848	11		

Whom God preserve.

CHRONOLOGICAL INDEX

OF

PATENTS OF INVENTION.

RAPBURNE.
BURGES.
2nd March 1617.

1. A priviledge graunted to AARON RAPBURNE, gent., & ROGER BURGES, for terme of xxj yeares next, of the sole making, describing, carving, & graving in copper, brasse, or other metall, all such and soe manie mappes, plotts, or descripc̃ons of Lond. Westm̃. Bristoll, Norwich, Canterbury, Bath, Oxford, & Cambridge, and the towne & castle of Windsor, & to imprint and sett forth & sell the same. Teste ij Marcij p̃d. p bre.

HILLYARD.
1st May 1617.

2. A sp̃iall priviledge graunted to NICHOLAS HILLYARD, gent., His Mat's servant and principal drawer for the small ꝑtraits & imborser of His Mat's medallies of gould, Shewing that whereas in respect of his extraordinary arte and skyll in drawinge, graving, & imprintinge of such pictures and representac̃ons of His Matie and others as he should hereafter make & invent, His Matie doth hereby graunt unto the said Nicholas Hillyard and his assignes free license, power, and priviledge, for the terme of twelve yeares next ensuing, within anie His Mat's realmes & dominions, to invent, make, grave, & imprinte anie picture or pictures of His Mat's image or other representac̃on of His Highnes' pson as well in pap & pchment as in anie other thinge whatsoever fitt for the better shewinge of his skyll & invenc̃on in this arte or mistery, prohibitinge others to doe the same upon payne of forfeyture of all such pictures, representac̃ons, plates, or woorkes; the one moyty of which forfeitures to be to His Matie his . . . . . and th' other moyty to be to the said Nicholas Hillyard and his assignes, with power & authority takinge . . . . . or other officer to search for anie of . . . . . the same so found to take & carry . . . . . aforesaid yieldinge and payinge . . . . . receipt of exchequer the yearlie . . . . . with a proviso that this graunt . . . . . debarr or hinder anie psons whats . . . . . science and facultyes of printing . . . . . formerly they have done. Teste j die Maii, anno r^egni quintodecimo.

Record mutilated

CASON.
1st July 1617.

3. A speciall priviledge graunted to JOHN CASON, esq^r., Shewing that whereas hee by his great charge and industrie hath attained to the skill and pfec̃on of a more apte and beneficiall meanes for the framing, contrivinge, and makinge of locks, sluces, bridg̃s, cutts, cranes, mills, dames, and other invenc̃ons necessarie and convenient for grindinge of corne, raisinge of water, makinge of rivers and streames navigable and passable for boats, keeles, and other vessells, not yet used or practised by anie other within His Maties realmes and dominions, His Matie doth hereby graunte unto the said John Cason, his executors, administrators, deputies, and assignes, free licence and priviledge within the realme of England, dominion of Wales, and town of Barwick, in places meete and convenient, duringe the terme of xxjtie yeares next ensuinge, as well to devise, make, direct, pfect, and practise the p̃misses and other invenc̃ons not repugnant to the laws & statuts of this realme, as also to make & invent all manner of engines and tooles for the pfectinge and pforminge thereof. And for that the effecting & pfectinge of the p̃misses will amount to a very great charge, His Matie doth hereby comande & prohibite that no pson or psons whatsoever (other than such as shal be licenced or appointed by the said John Cason, or

which shall give contentment to him his deputies or assignes, attempt, practise, or go about by anie waie or meanes, directlie or indirectlie, to passe, saile, or remaine upon, in, or by anie the rivers, water sluces, cutts, or dames, so to be cutt, made navigable, or pfected by the said John Cason or his deputies as aforesaid, or intermeddle, practise, use, make, build, or putt in use in or upon the same anie mills, sluces, locks, bridges, or engines, such or the like as by the s[d] John Cason his deputies or assignes have bin first invented, pfected, or sett up, uppon paine of forfeiture and His Ma[ties] high displeasure; provided that the said John Cason shall not by cullor hereof make, attempt, or cause to be made anie cutt, river, watercourse, or anie other the premisses in or upon anie lands or grounds, place or places, whatsoever, but first compounding & agreeing with the owners thereof. And shall further, at his own costs and chardges, make, erect, and maintaine good bridges over the said rivers and places soe to be by him cutt as aforesaid. And for avoydinge of maine inconveniences w̃ch maie befall by the obstinacie of some well disposed ꝑsons, His Ma[tie] doth therefore ordaine that noe ꝑson or ꝑsons, owner or owners of anie lands, woods, or wasts, where the said patentee or his assigns shall have necessarie occasion to compound for or in respect of the ꝑmisses, p[e]sume to refuse a reasonable composic̃on, nor contradict or resist the said John Cason his deputies or servants in ꝑforminge anie of the ꝑmisses offeringe & givinge reasonable composic̃on as aforesaid, upon paine to His Ma[ties] high displeasure to be incurred for their contempt of his Royall will in that behalf—yielding & payinge into His Ma[t's] exchequer yearely, during the said terme, the some of fortie shillings. Teste R[e] apud Westm̃, vicesimo primo Julii. ꝑ bŕe &c.

Wolfen. Miller. 1st July 1617.

4. A priviledge graunted to John Casper Wolfen, of His Ma[ties] privie chamber, & John Miller, a German borne, to have the sole making of a certain oyle for xxj years, by them invented to keep armor & armes from rust and kanker—paying into His Ma[t's] exchequer yearlie xl[s]. Teste ut sup[a]. ꝑ bŕe.

Murray. 11th January 1618.

5. A sp̃iall priviledge granted to Thomas Murray, esq[re]., for 21 yeares, for the sole practise of a newe invenc̃on for the sole making of sword blades, faulchions, skeynes, & rapier blades within the realmes of England & Ireland; rendering to His Ma[tie] v[li] rent yearelie until the said manufacture be soe ꝑfected as that there shall be a decay of importac̃on thereafter, or otherwise until His Ma[tie] shall ꝑhibit such importac̃on; from w[ch] times the patentee is to paie to His Ma[tie] x[li] rent, and soe much more yearelie rent, in lieu of His H[s] customes, as shall be found by a medium of 7 yeares to be cast up to have been answered for the same. Teste xj[o] Januarij ꝑd. ꝑ bŕe.

Ramsey. Wildgosse. 17th January 6118.

6. A sp̃iall priviledge graunted to David Ramsey, gent., & Thomas Wildgosse, gent., for 31 yeares, to exercise & put in use divers newe apt formes or kinds of engines & other ꝑfitable invenc̃ons as well to plough grounds w[th]out horse or oxen, and to make fertile as well barren peats salts and sea sands as inland & upland grounds, w[th]in the realmes of England & Ireland & d̃mon of Wales, as also to raise waters, and to make boats for carriages runnin upon the water as swift in calmes & more safe in stormes than boates full sayled in great wyndes, w[ch] have not been heretofore known or used w[th]in the said realmes or d̃mons—paying yearlie into His Ma[t's] excheq[r] x[li]. Teste xvij[o] Januarij, a[o] ꝑd. ꝑ bŕe.

Baker. 16th Feb. 1618.

7. A sp̃iall priviledge graunted at the miaan of Sir George Stay, knight, to Abraham Baker & his ass[ns], for 31 yeares next, of the sole making, working, & compounding (w[th]in this realm) of a ſteine stuffe called smault, and to sell the same to anie paynters or others at reasonable rates, w[th] power to

the patentee and all others to import saffer & pottashes or anie other stuffe fit for the making thereof—paying His Ma$^{t's}$ customes and also paying yearelie into His Ma$^{t's}$ exchequer xx^{li}. Teste apud Westm^{r}, xvj die Februarij p̄d.
p br̄e de privato sigillo.

CRUMPE. 9th April 1618.

8. A sp̄iall priviledge graunted to ROBT. CRUMPE, for xxj yeares, of the sole erecting & framyng of a staine hollow tunnell or pype of one entire length, to be made of timber or leade, wth other engines & instruments thereto belonging, for the drayning & drawing of waters out of mynes, colepitts, or other minneralls, and for raising of waters for service of townes, castles, & houses, w^{ch} hath not been heretofore invented or practised by anie others—paying yearelie into His Ma$^{t's}$ exchequer x^{li} during the said terme. Teste 9 April, anno xv^{o} et G'. p br̄e.

GILBERT. 16th July 1618.

9. A sp̄iall priviledge granted to JOHN GILBERT, for terme of 21 yeares, to make & put in practise two newe engines, by him invented & found out, the one called a water plough for the taking up of sands or bancks out of the river of Thames or other places, and the other for raising of waters—paying to His Ma$^{t's}$ use 6. 13. 4. yearelie. Teste 16 Julij, anno p̄d. p br̄e.

DAWBENEY. 11th Dec. 1618.

10. A sp̄iall priviledge graunted to CLEMENT DAWBENEY, gent., for terme of 21 years, for the sole using of an engine, to be wrought wthall by water, for the cutting of iron into small barres for rodds to serve for the making of nayles, and for the saving of the waste that com̄onlie grewe upon cutting iron into small barres. Teste xj December p̄d. p br̄e.

ETHERINGTON. 12th January 1619.

11. A sp̄iall priviledge graunted to JOHN ETHERINGTON shewing that whereas he hath found out the arte of making a certain engine to make and cast clay all sort of earthern pipes for conveyance of water in the earth, and also monions & transomes for windowes, crests for houses tyles, and paving stones, His Ma^{tie} doth hereby grant unto him sole power, for 21 yeares, to make & use the said engines for the purposes aforesaid—paying yearelie into His Ma$^{t's}$ excheq^{r} xxvj^{s} viij^{d}. Teste 12 Januarii p̄d. p br̄e.

COTTON. 28th January 1619.

12. A sp̄iall priviledge graunted to SAMUEL COTTON, gent., of the sole exercise of an art or invenc̄on of making & erecting mills upon barges or lighters in the river of Thames, for xxj yeares—paying yearelie unto His Ma^{ties} excheq^{r} a rent of iiij^{li}. Teste 28 Januarii p̄d. p br̄e.

SHOTBOLT. 23rd May 1619.

13. A sp̄iall priviledge graunted to JOHN SHOTBOLT, esq^{re}, shewing that whereas he hath invented & found out stiene way-ploughs, way-harrowes, land-stearnes, scowrers, trundlers, and other stronge engines for the making & repayring of highwaies & roades and of the mounds & bancks of the sea, great rivers, & other waters that maie overflowe the said waies and the grounds adjoyning, and also for the making, scourting, sinking, & repayring of ponds, draynes, rivers, & watercourses, His Ma^{ty} doth hereby graunt unto the patentee sole power & priviledge, for xxj yeares, to use & exercise the said art & invenc̄on—paying five marks yearelie into His Ma$^{t's}$ excheq^{r}. Teste 23 Maii p̄d. p br̄e.

CASON. 2nd June 1619.

14. A sp̄iall priviledge graunted to JOHN CASON, esq^{re}, and his assignees, for 21 yeares, for the sole practise of certeine engines & invenc̄ons for rayssing of waters & making rivers navigable, he first compounding wth the owners of the soyle where he shall have occasion to practise the same, wth power to the justices of peace or 6 com^{rs} for sewers to value such men's grounds as shal be found unreasonable in theire composic̄ons—His Ma^{tie} doth hereby reserve a rent of 40^{li} p ann. to be paid into th' exchequer. Test 2^{o} Junij, anno p̄d. p br̄e.

Wood.
Jenkinson.
25th October 1619.

15. A spiall priviledge graunted to George Wood, shewing that whereas he and one James Jenkinson have invented & found out a waie to printe upon lynnen cloth, and whereas the said Jenkinson hath consented & agreed to pmitt the said Wood to have the whole & sole use & benefitt of the said invencon, His Matie doth hereby graunt unto the patentee, for 21 yeares, wthin England & Wales, to use and exercise the said invencon—paying yearelie into His Matis exchequr a rent of xli. Teste xxvo Octobris pd. p bre.

Dickson.
5th July 1620.

16. A spiall priviledge graunted to John Dickson and his assigns, for 21 yeares, of the sole makeinge and selling of an instrument called a backstall or backscreen, for the ease of such sick psons as are troubled with heate of their backs through continual lyeing on their bedds, by him invented—paying therefore yearly into His Mat's receipt of exchequr xxs. Teste quinto Julii, anno pd. p bre &c.

Sharpe.
Wilton.
15th July 1620.

17. A spiall priviledge graunted to Samuel Sharpe & Richard Wilton, cittizens of London, for 21 yeares, for the sole practyse of a newe invencon by them invented for making of chamletts after the Turkie manner, not formerly used in this realm, prohibiting all others to doe the like without the consent of the patentees—paying therefore yearelie during the said terme into His Mat's receipt of exchequer 6l 13s 4d; provided that if this grant shal be found prejudiciall to the commonwealth that then it maie be revoaked upon significacon of His Mats pleasure herein; provided that this graunt shall not barr annie from making chamletts in such manner as formly they have used. Teste 15 Julii, anno pd. p bre &c.

Lord Dudley.
22nd Feb. 1621.

18. A spiall priviledge graunted to Edward Lo. Dudley, shewing that whereas he hath found out the misterie & arte of meltinge iron ewre & of making the same into cast workes or barres with seacoles or pitcoles in furnaces with bellowes, not formly pformed by anie within England, His Matie for the preservacon of wood & tymber & for other good causes doth hereby grt unto the patentee & his assignes, for terme of xiiij years next ensewinge, sole power to use & practise within England & Wales the said arte & misterie, prohibiting all others to doe the like; provided that this grt extend not to the piudice of anie form concerning the making of iron or annie iron works; provided that if this grt shall be found piudiciall to the commonwealth that then, upon signification thereof by His Matie or 6 of his privy counsell under their hands, this grt to be voyd. Teste R apud Westmr, 22 Febr, anno pd. p bre &c.

Middleton.
2nd July 1621.

19. A spiall priviledge graunted to Hugh Middleton, of London, goldsmith, shewing that whereas he hath (by his great paynes & charges) devised & found out a newe invencon or way for the wyninge and drayninge of anie grounds overflowen with water, His Matie doth hereby graunt unto the patentee and his assignes (for xiiij yeares next ensuing) sole power to use & exercise wthin England and Wales and the port and towne of Barwick the said invencon, wch hath byn or shal be first invented and made knowne within His Mats said realme & dmon by the means & industry or at the costs and charges of the said Hugh Middleton; provided that his grante shall not give priviledge to the patentee or his assignes to practise or use any engine or invencon for wch any priviledge hath byn heretofore granted to anie other. Teste Rege apud Westmr, scdo Julii anno, pdco. p bre &c.

Harewell.
Raleigh.
Williams.
Clerke.
10th May 1622.

20. A spiall priviledge graunted (with the advice of the Lords & others of His Mat's privie counsell) to Sir Edmond Harewell, kt, Sir Cary Raleigh, kt, John Williams, esqre, & Rob. Clerke, gent., & their assignes, for terme of xj yeares next ensuing, to use within the realme of Ireland the misterie & trade of makinge all manner of soapes, & also of makinge of soape-ashes, pott-ashes, &

saltes for soapes, being an invencõn not heretofore practised as a trade by and within His Ma$^{t's}$ realmes or dm̃ons, with a prohibicõn to all others to doe the like. Teste eodem 10 Maii. p bre̅ &c.

RAMSEY. JACKE. 8th August 1622.

21. A sp̃iall priviledge graunted to DAVID RAMSEY, esq^{r}, one of the pages of His Ma$^{t's}$ bedchamber, and JOHN JACK, gent., and their assignes, for xiiij^{teen} yeares next ensuing the date hereof, within England & Wales & towne of Barwick, of 2 several engines, one for the raysinge of water for drayninge of lands or mynes & th' other for turninge of broaches, being invented by the patentees and have not been heretofore practised wthin anie His Ma$^{t's}$ dm̃ons. Teste R̃ apud Westm^{r}, 8° Augusti, anno p̃d. p bre̅ &c.

ELLAND. 5th October 1622.

22. A sp̃iall priviledge graunted to CHRISTOPHER ELLAND, of London, merchant, for terme of fourteene years next ensewinge, of the sole makinge of white & redd lead for paynters within England & Wales & port or town of Barwick, he having by his great paynes & expences attayned to the true & pfect way of making of the same, w^{ch} hath not byn heretofore knowne within any His Ma$^{t's}$ dm̃ons, & of all other thinges of what nature soever w^{ch} are used or knowne by the name of white or redd lead whereof the patentee hath been the first inventor, with a prohibicõn of importacõn or exportacõn of the said lead without the licence of the patentee or his assignes upon payne of forfeiture, the one moytie whereof to be to His Ma^{tie} & th' other to the patentee—paying therefore yearly into the excheq^{r} xij^{li}. And the patentee doth hereby covenm̃te to take & receive from the leadmakers (if they will contynue the same) such quantity of redd lead as may conveniently be sold wthin his said realme & dm̃ons yearly, payinge for the making thereof soe much as himselfe and others have p^{d} heretofore according to such quantity & ꝓporcõns as they foure workehowses now employed for the making thereof (whereof the patentees owne workehowses to be one) doe nowe usually make by even porcõns, provided that the said lead makers make good & serviceable redd lead of the best sort they now make, & they shall not sell the same unto any others; if anie be soe ꝓved they shall pay to the patentee xviij^{s} ꝑ centū soe sold; and the same workhouses shall not exceed 50 or 60 tonnes ꝑ annū unl̃s the patentee can put of the same. Teste R̃ apud Westm^{r}, 5 October, a° p̃d. p bre̅ &c.

JOHNES. PALMER. 23rd Feb. 1623.

23. A priviledge graunted to ROGER JOHNES & ANDREW PALMER and their assignes (for 21 years next ensuinge) of the sole usinge and exercising (within England and Ireland, the dm̃on of Wales, and town of Barwick) the mistery & arte of making of hard soape & soft soape as well with the materialls & in such maner as in form̃ letters patent granted unto them in February last are expressed, as alsoe of burninge & p̃paringe of branstrawe, peastrawe, kelpe, ferne, and other vegetables (to be found in His Ma$^{t's}$ owne dm̃ons) into ordynary ashes or into potashes, and with the said materialls of the said ashes & of all other vegetables whatsoever (not form̃lie used or practised wthin His Ma$^{t's}$ realmes & dm̃ons) to make soape hard & soft at their will or pleasure; and also of the usinge of the assay glasse for trying of their lee, & makinge of hard & soft soape by their said new invencõns, in the waie of makinge of the said soapes by sundry mocõns, & not boylinge of the same wth the expence of much fewell; wth power to the patentees to have a stampe or scale engraven with a rose & crowne for the stampinge & m̃kinge of the said soapes to distinguish them from others; and they shall not sell the said soapes at anie deerer rates then hard soape or soft soape of the best sorts were most usually sold for within 7 years last past; and the patentees (on the behalfe of themselves & their assistants) have made offer to His Ma^{tie} to respect His Highness owne pticular pfitt in such measure as that the losse

His Ma^tie maie receive in his customes & other duties by the not importinge of forraine comodities for the makinge of soape as in former tymes shall by their industryes be recomended to His Highnes & his succ^rs in certenty with good advantage. Teste 23 Februaŕ, annñ p̄d. p bŕe &c.

MAUNSELL. 22nd May 1623.

24. A sp̄iall priviledge graunted to Sir ROBERT MAUNSELL, k^t, & his assignes (for 15 years next) of the sole making within England & Wales of all maner of glasses whatsoever within England & Wales with seacoal or pitcoale or anie other fewell, not being tymber or wood, without paying anie rent for the same, although upon former l̄res patent made to the said Sir Robert Mansell & others, for like makeing of glasses, there was reserved to His Ma^tie £1000^li p ann. rent, w^ch is hereby remitted in consideracõn of the patentee's good service & his great charge and expence in effectinge this worke, and all importacõn of foraine glasses is now at lib̃tie, w^ch by the former graunte was p̄hibited. Teste 22 Maii, anno p̄dco. p bŕe &c.

RATHBORNE. CHARSLEY. 31st July 1623.

25. A sp̄iall priviledge graunted to JOHN RATHBORNE, JOHN CHARSLEY, and others, of the sole making, selling, & utteringe of several sorts of engines, by them invented, for boulting & dressinge of meale, for 21 years—paying to the Croune yearly for the same the rent of 5^li. Teste R^e apud Westm^r, 31^o die Julii, anno p̄d. p bŕe &c.

CONNELDON. 20th Sept. 1623.

26. A sp̄iall priviledge graunted to His Ma^t's servant WILL'M CONNELDON & his assignes, for 21 yeares, w^thin England & Wales, to sett up, make, & put in use a furnace or furnaces, by him invented, for the moultinge of lead in greate quantities, & all other things of what nature soever w^ch are to be used to that purpose, & all engines, instrum^ts, & devises whatsoever to the purposes aforesaid whereof he hath byn the first inventor. The same to be done w^th seacoles & other fewell, not beinge woode, w^th power to sell anie such furnaces, engines, or instruments to anie His Ma^t's subi^ts, w^th a p̄hibicõn to all others to imitate the said invencõn without the license of the patentee, upon paine of forfeiture of anie such furnaces or engines, the one moytie whereof to be to His Ma^tie th' other to the patentee. Paying therefore yearly into the receipt of excheq^r, during the said terme, xij^d for every tonn of lead to be moulten as aforesaid. And the patentee shall within 3 monthes next ensuinge, and all others w^ch by his license shall put in use the said invencõn shall, within 3 monthes next after they shall beginne to practise the same, enter into several bonds to His Ma^t's use of 200^li a peece for the making of a true accompt twise a yeare in the Co^t of Excheq^r, & for the payment of the somes of money thereupon to become due accordinglie, or upon default thereof the gr^t to be voyd. Provided that if anie tyme his invencõn shal be found to be p̄iudicial to the comonwealth that then, upon significacõn thereof under the hands of anie sixe of the Privy Councell, this gr^t to be voyd. Teste 20^o Septembr̃ p̄d. p bŕe &c.

HAMILTON. 27th Nov. 1623.

27. A sp̄iall priviledge graunted to ALEXANDER HAMILTON, esq^re, (for 21 yeares) of the sole practise w^thin England, Ireland, & the dm̃ons thereof, of a newe invencõn, by him invented & perfected, as well for the ploughinge as for the harrowinge, sowinge, seedinge, & settinge of corn and grain at greater ease & w^th more p̄fett than by anie other means heretofore used—payinge therefore yearelie into the excheq^r xx^li. Teste R̄ apud Westm^r, eodem die. p bŕe &c.

SHIPMAN. 27th Jan 1624.

28. A sp̄iall priviledge granted to WILL'M SHIPMAN & his assignes (for 21 years next ensuinge) for the sole sowinge settinge, plantinge, dryinge, dressinge, & bringing to p̄fecõn of madder, within England & Wales, for dying; the same not having byn hitherto used or brought to such p̄fecõn by

anie other within this said realm & dm̃on—paying to His Ma^tie yearlie such somes of money for such quantities of madder sowen, or planted, or p̃pared by him, as aforesaid, as are now paid to His Ma^tie for the custome & subsidie of the like quantities of madder imported from beyond the seas; for p̃formance whereof he is to become bound to His Ma^tie with sufficient sureties within 3 months after the date hereof, and to account upon oath. Teste R̃ apud Westm^r, Januar̃, anñ p̃d. p bŕe &c.

Willis. Crumpe. 4th March 1624.

29. A sp̃iall priviledge graunted to Richard Willis, gent., & Robert Crumpe, & their assignes (for 14 yeares next ensuinge) of the sole license & power of making, forming, & erectinge (within England & Wales) of three several engynes, by them invented & found out, for the drawinge & drayninge of water out of mynes, myneralls, & colepitts, & for the raysinge & bringinge of waters into townes, castles, & howses, where the same shal be desired, and to imploy the same to their best benefitt—payinge therefore yearly duringe the said terme into the exchequer x^li. Teste eodem. p bŕe &c.

Webb. 16th Dec. 1624.

30. A sp̃iall priviledge graunted to Benedicta Webb, clothier, and his assigns (for the term of xiiij yeares next ensuinge) for the sole makinge of oyle of rapeseed and other like seeds sowen or to be sowen within England or Wales, for the use of clothinge or for anie other use whatsoever; being an art & invenc̃on found out by the patentee, which hath byn found to be farre better for the use of clothinge then that w^ch hath byn yearly brought out of the lowe countries, and as usefull as the Spanish oyle yearly imported into his kingdome—paying therefore yearlie to His Ma^tie duringe the said terme v^li. Teste R̃, 16 December, anno p̃d. p bŕe &c.

Knappe. 7th January 1625.

31. A sp̃iall priviledge graunted to Edward Knappe and his assignes, for terme of 14 yeares, to make, frame, sett up, and use, within England and Wales, c̃taine newe devised axletrees of metall, of one or more lengthes, in coaches, caroaches, carts, waggons, or other carriages; and c̃taine other invenc̃ons for makeing the wheels come closer together or goe further assunder, or stoppeinge the hinder wheeles from turninge, hanginge the bodies by springs of steele, devised horse collors and harneyes, beinge his owne invenc̃ons. And the same soe made to utter and sell his best benefitt—paying therefore yearly to His Ma^tie duringe the said terme at the receipt of exchequ^r the yearely rent of x^li. Teste 7° Januar̃, apud Westm^r. p bŕe &c.

Beale. 31st August 1625.

32. A sp̃iall priviledge graunted to William Beale, of London, gouldsmith, for the terme of 14^teen yeares, of the sole license & priviledge of making and useinge (within England & Wales) of c̃taine newe devised & compounded stuffs & waters, cement & dressinge, for shippes, wherebie shippes, pinnaces, & other vessells imploied at sea maie be preserved from burning & hurte by wildfier & gunpowder, or kept from hurt by the sea worme or burnacle, being a newe invenc̃on latelie found out by the patentee. Teste apud villam Southton, 31° Augusti, anno ut supra. p bŕe &c.

Lord Dacre. Letsome. Page. 8th April 1626.

33. A sp̃iall priviledge graunted to Richard Lo. Dacre, Thomas Letsome, of London, merchant taylor, and Nich'as Page, gent., and their assignes, for term of xiiij^e years next ensuinge, of the sole usinge and practizinge (within England and Wales and towne of Barwicke) of a c̃teine arte, skill, or mystery of making of steele and all other thinges w^ch are to be used to that purpose, whereof the patentees or one of them have byn the first devisors or inventors—payinge yearely into His Ma^t's receipt of Exchequer a rent of 13^l 6^s 8^d. Teste R̃, apud Westm^r, viij° die Aprilis anno regni xdo. p bŕe &c.

Typper. Cason. 5th Sept. 1626.

34. A sp̃iall priviledge graunted to Robert Typper and John Cason esquiers (for term of xiiij° yeares next ensuinge), for the drayneinge and laying drie of all the marshes, as well fresh as salte fennes, and other lowe

grounds, within England and Wales, after there manner of invencon not formerlie used by any, wch grounds are now subjected to the surroundinge of the fresh and salte waters, and is done by the approbacon of the lords and other His Mat's comrs for the revenue. Teste Rege apud Canbury, quinto die September, anno pd. p ipm Regem.

Rous.
Cullin.
24th Oct. 1626.

35. A spciall priviledge graunted to Thomas Rous als Rius and Abraham Cullin, for xiiij° yeares, to use and exrcise the arte and feate of frameinge, workeinge, and makeinge of all manner of stone potts, stone juggs, and stone bottles whatsoever, within England and Ireland & the dmons thereof, whereof the like hath not byn heretofore usually made within His Mat's said dmons—paying yearely into the excheqr dureinge the said terme vli. Provided that this grante shall not extend to debarre the importacon of any stone potts, stone juggs, or stone bottles. Teste xxiiij° Octobr, anno pd. p bre &c.

Spencer.
3rd Jan. 1627.

36. A spiall priviledge graunted to Arnold Spencer, gent., for terme of xjcn yeares from the 21st of July nexte, for the cuttinge, contrivinge, erecting, pfectinge, and making, in all places convenient wthin England and Wales and towne of Barwicke, of all manner of locks, sluces, bridges, dames, and other invencons not repugnant to the lawes for making of rivers and streames navigable. And the same being soe made navigable to passe and rowe in and upon the same wth boats, kells, and other vessells, wth power to receive and collect to his own use all pfitts which shall arise thereby; provided that he take not for any vessell wch shall passe through any the said sluices any greater rate upon the tonne then was heretofore graunted by his late Maty to the aldermen and burgesses of Stamford—payinge therefore yearely into the excheqr a rent of vl. And for the better incouragement of the patentee, and for that he hath already made navigable the river of Cruse in the county of Hunt, the benefit whereof he now hath, His Maty doth hereby graunt unto him and his assignes as well the benefitt which he hath received or which he shall receive for the said river, if the same were soe done by him or at his charge, as alsoe all such benefitt as shall accrewe by any river hereafter by him to be made navigable within the terme aforesaid, for the term of 80 yeares from the ende of the said terme of xjeen yeares—paying therefore for every such river by him to be made navigable the several yearely rents of 5li duringe the said terme of 80 yeares. Teste R apud Westmr, 3 Januarii, anno pd. p bre &c.

Felton.
Drewe.
20th Jan. 1627.

37. A spiall priviledge graunted to Edmund Felton and John Drewe and their assignes, for the terme of xiiij° yeares next ensuinge, of the sole usinge and exciseinge, within England and Ireland and dmon of Wales, of all such engines, devises, and instruments as they shall think most meete, and which have byn or shal be by them invented or found out, and not heretofore practized, put in use, or pfected within the said realmes and dmon by any other, for the conveying of water from any place to drye and barren grounds, or for the draweinge of water forth at any mynes of tynne, lead, copper, coales, or other places—payinge therefore yearely into His Mat's excheqr for the first two years xls and for the residue of the said terme xlli per ann. Teste apud Westmr, xx° Januarii pd. p bre &c.

Astell.
Copley.
Crofts.
20th March 1627.

38. A spiall priviledge graunted to William Astell, John Copley, and Francis Crofts, gent., and their assignes, for terme of xiiij yeares, of the sole libty and priviledge, wthin England and Wales, for the using, exercising, and putting in practize a peculiar mistery, arte, way, and means for melting of iron oare and for making the same into cast works and barres wth seacoales and pitcoales, wth prohibicon to all others for doing the like—paying into His

Ma$^{t's}$ receipt from Xmas 1629, during the residue of the terme of xiiij yeares then to come, the yearely rent of 400^{li}; provided that if the said rent shal be behinde or unpaid by the space of 40 daies next after any of the daies of payment then this graunt to be void; provided likewise that if it shall appeare to his Mãty or his privy counsel hereafter that this graunt shall be inconvenient to the cõmon wealth then upon significacõn of His Mãty's pleasure under his signe manuell, signett, or privy seale, or under the hands of sixe or more of the privy counsell, then this graunt to be void. Teste 20 Marcii p̄d.

p bře &c.

Brouncker. Aprice. Parham. 6th Aug. 1627.

39. A sp̄iall priviledge graunted to Will'm Brouncker, John Aprice, esq^{re}, & Will'm Parham, gent., for the terme of 14 yeares next ensuinge, of the sole usinge & exc̃ising within England & Wales of a c̄tain engine or devise, by them invented, for the earinge, plowinge, & tillinge of lande of what kinde soever, without the use or helpe of oxen or horses, by the labour or helpe of two men only to goe wth every plowe; with power to make composic̃ons with any p̄sons for the usinge of the said engine, not exceedinge the some of vj^{d} for every acre for every tyme the same shal be soe eared or tilled, the one moety of the p̄fitt to be to His Ma$^{t's}$ excheq^{r}, the other to the patentees, for w^{ch} they are to account once a year upon oath before the barons of the excheq^{r}. Teste apud Cañbury, vj^{o} Augusti, anno p̄d. p bře &c.

Wolfen. 8th Dec. 1627.

40. A sp̄iall priviledge graunted to John Jasper Wolfen and his assignes, for terme of 14 yeares next ensuinge, w^{hin} England, Ireland, and Wales, to make and use all such engines, instruments, and devises w^{ch} have byn or shall be by him or his assignes found out and invented for the makinge and p̄paringe of certen stuffs and skynnes to hould out wett or rayne—payinge therefore yearlly a rent of v^{li}. Teste viij^{o} Decembř, anno p̄d. p bře &c.

Parham. Prewet. Jacob. 22nd Dec. 1627.

41. A sp̄iall priviledge graunted to William Parham, Ambrose Prewet, and Charles Jacob, gent., (for term of xiiij^{e} years next ensuing) to use and exc̃ise within England and Wales a certain engine or instrument, by them found out, for settinge on worke or causinge to go or be driven all manner of mylls for gryndynge of corne or grayne and all manner of tooles, metalls, barke, and other things whatsoever—payinge therefore yearely into His Ma$^{t's}$ receipt of exchequer a rent of 100^{li} duringe the said terme; provided that this grant shall not extende to give power or lycense for the usinge of the said engine for the gryndinge of wheate to the p̄judice of any auncient mills wthin England or Wales. Teste R̄ apud Westm^{r}, xxij^{o} Decembř, anno p̄d.

p bře &c.

Burrell. 2nd January 1628.

42. A patent graunted to Andrewes Burrell & his assignes (for the terme of xiiij yeares) for the sole usinge, exc̃isinge, and putting in practice of all such engines, instruments, and devises w^{ch} have byn first invented and found out by him for the drayneinge of marish and fenn groundes, prohibitinge all others for doing the like—payinge into His Mat^{ys} excheq^{r} the yearely rent of iij^{li}. Teste sc̃do Januař p̄d. p bře &c.

Wyott. 24th May 1628.

43. A sp̄iall priviledge graunted to Hugh Wyott, gent., and his assignes, for the terme of xiiij yeares, of the sole using and putting in practice of a way and meanes, by him invented and found out, for the safe transportacõn of all horses and cattel whatsoever to and from any His Ma$^{t's}$ dm̃ons, wth prohibic̃on to all others to use the same, taking such somes of money therefore as shal be agreed upon between the patentee and the owners thereof; provided that this graunt extend not to p̄judice any p̄son or p̄sons for the transportacõn of any horses or cattell to or from the realms of England according to their accustomed manner, soe the same be not by the way and invencõn first practized by the patentee. Teste apud Westm^{r}, 24^{o} Maii, anno p̄d.

p bře &c.

ROTSIPEN.
13th July 1628.

44. A speciall priviledge graunted to ARNOLD ROTSIPEN & his assignes, for 14 yeares next ensuinge, to use and exercise in England and Wales an invencon or arte of making of gonnes of all sorts greate or small not heretofore practized w^th^in any His Ma^t's^ dm̃ons. Teste 13 Julii, anno sc̃do Caroli R^s^. p br̃e &c.

BULLOCK.
2nd January 1629.

45. A sp̃iall priviledge graunted to HUGH BULLOCK and his assignes (for xiiij yeares nexte) to use & ex̃cise within England, Ireland, and Wales, and the plantac̃ons of Virginia and the Caribdia Islands, a certeine engine, by him invented, for the easie cuttinge of all sorts of tymber into planck and boord and other squares—paying therefore yearely into His Ma^t's^ excheq^r^ 40^s^ duringe the said terme. Teste sc̃do Januarii. P br̃e &c.

RUDSON.
CROOTE.
13th April 1629.

46. A sp̃iall priviledge graunted to JOHN RUDSON and FRANCIS CROOTE, gent., for the terme of 14 yeares, of the sole making w^th^in England and Wales of white and bay salte of sea water, sea sand, and other materials, first invented by the patentees and not formerlie putt in practice by any other—paying into His Ma^t's^ receipts, after X̃ras 1629, 200^li^ p anñ duringe the said terme. Teste 13 Aprilis, anno p̃dc̃o. p br̃e &c.

GRENT.
22nd June 1629.

47. A sp̃iall priviledge graunted to THO. GRENT, dc̃or in phisick, (for the term of xiiij yeares,) of the sole ex'cise use and framinge w^th^in Engl̃ and Wales of a newe kinde of bathes, termed circular bathes, & of all engines & instruments necessary for the making of the said bathes, being first invented and found out by the patentee, prohibitinge all others from doing the like w^th^out his lycence first had thereunto—payinge into His Ma^t's^ receipt the yearly rent of 20^s^. Teste 22° Junii. p br̃e &c.

FRANCKE.
31st July 1629.

48. A sp̃iall priviledge granted to Captaine THORNESSE FRANCKE & his assignes, dureing the term of 14 yeares, of the sole use & exercising within England, Ireland, & Wales of an engine, instrument, or devise, by him invented, fitt & necessary for the draying of mynes or lowe grounds & expediting of buildings & other uses, tending to the ease of the subiect, prohibiting all others to doe the like. Test̃ R̃ apud Cañbury, 31° Julii, anno p̃d. p br̃e &c.

RAMSEY.
PARKER.
BISSE.
JARRETT.
21st January 1630.

49. A speciall priviledge graunted to DAVID RAMSEY, esq^re^, THOMAS PARKER, EDWARD BISSE, and RICHARD JARRETT (for terme of fourteene years next ensuinge) to use and practise (within England, Ireland, and Wales) an engine not heretofore used within any His Ma^t's^ realmes or dm̃ons by way of a barrell engine and otherwise necessary for the raisinge of water out of mynes, graffs, coale-pitts, or any other place, for the good of His Ma^t's^ subiects—payinge therefore yearely into His Ma^t's^ exchequer during the said terme xxvj^s^ viij^d^. Teste R̃ apud Westm̃, 21 Januarii, a° pred̃. p br̃e &c.

RAMSEY.
21st January 1630.

50. A sp̃iall priviledge graunted to DAVID RAMSEY, esq^re^, to use & practise (in England, Ireland, and Wales), for terme of xiiij^en^ yeares next ensuing, divers newe wayes and invenc̃ons, by him found out and pfected, to multiply and make salterpeter in an open field in foure acres of ground sufficient to serve all His Ma^t's^ dm̃ons; to raise water from lowe pitts by fire; to make any sort of milles to goe on standing waters by continual moc̃on, without the helpe of windes, weight, or horse; to make all sorts of tapestry without any weaving loome or way ever yett in use in this kingdome; to make boats, ships, and barges to goe against the wind and tyde; to make the earth fertile more then usuall; to raise water by a newe way; to make hard from softe and copper to be tuffe and softe; and to make yellow wax white very speedily: w^ch^ invenc̃ons have never yet byn practised by any other within His Ma^t's^ dm̃ons —paying therefore yearely into His Ma^t's^ excheq^r^ iij^li^ vj^s^ viij^d^ during the said terme. Teste apud Westm̃, 21 Januarii, anno pred̃. p br̃e &c.

BALL.
13th August 1630.

51. A spiall priviledge granted to EDWARD BALL, esq^re, & others, duringe the terme of 14 yeares next ensuing, of the sole practizing & putting in use of an invencon, by them found out, for the melting, makeing, fyneing, & burneing of iron, leade, tynne, salt, bricks, tyles, lyme, and other things for buildinge or otherwise to be made of earth (glasse only excepted), w^th peate or turfe to be by them ppared for that purpose—rendring to His Ma^tie the yearly rent of vj^li xiij^s iiij^d. Teste apud Cañbury, 13 Augusti, anno pd. p bre &c.

COPLEY.
SHARPEY.
SABART.
1630.

52. A spiall priviledge granted to JOHN COPLEY, esq^re, Sir ROBERT SHARPEY, knight, and ANTHONY SABART, esq^re, for terme of xiiij years next ensueing (within England, Ireland, and Wales), to make white & bay salt with sea water and bryne without any such pannes or fornaces or other meanes as are nowe in use within the places aforesaid, being a mistery found out by the said Copley—paying therefore yearely into the excheq^r after the first year 150^li. Teste apud Cañbury. p bre &c.

RAMSEY.
11th Nov. 1630.

53. A spiall priviledge graunted to DAVID RAMSEY, esq^re, for the terme of xiiij yeares, of the sole practisinge, use, and exercise of an invencon for the separatinge of the mettalls of gold or silver from other impure mettalls of tynne, leade, and copper, and to that purpose to sett upp engines and instruments as they shall thinke meete—yeilding to His Ma^tie after the first yeare a full third parte of all the cleere pfitt ariseing by vertue of this graunt; and His Ma^ty further graunteth unto the pattentee and his assignes, for 21 yeares, power and authority to digg and search for in all places within the countyes of Somset and Yorke, and such parte of Devonshire where noe tynneworkes are nor have byn, for all mynes and mineral works of silver and gold, or lead holding silver, or mixed with silver, and all other mynes royal whatsoever—paying to His Ma^tie after the first two years a tenthe pte of all the gold, silver, copper, and leade w^ch shall come and proceede out of the said mines during the residue of the said term of 21 yrs. Teste apud Westm, 11° Novembris, anno pred. p bre &c.

BRUNKER.
REIGNOLDS.
HORNE.
24th Jan. 1631.

54. A spiall priviledge graunted to Sir WILLIAM BRUNKER, k^t, HENRY REIGNOLDS, esq^r, and JOHN HORNE, gent., and their assignes, for terme of 14 yeares, within England and Wales, to exercise and practise the making of kersie seves, al^s twylly seves, and bedes of bone and wood, never before used in this kingdome, and to sett up and erect in any place within His Ma^t's said realme and dmon any houses, engines, or instruments fitt for the making thereof. Teste R apud Westm^r, 24° die Januarii, anno pd. p bre &c.

GILBERT.
FREESE.
8th July 1631.

55. A spiall priviledge graunted to JOHN GILBERT and JAMES FREESE, for xxj yeares next ensuing, to make and erect as many engines or instruments, called waterploughs, as have byn or shall be by them invented or found out, for the taking up of sands, gravell, shelves, and bancks out of the river of Thames and other havens, harbo^rs, or rivers within England or Wales, for the more free passage and safety of shipps and other vessells; with power to cast upon land all such sand and gravell as shall be taken up by the said engine, and to make wharfes and places for the safe keeping thereof, soe as noe piudice be done to any of His Ma^t's subjiects, and to convert the same to their best benefitt—paying to His Ma^tie the yearely rent of ij^li xiij^s iiij^d at the receipt of the excheq^r, with a graunt of the moyety of all such treasure trove, plate, jewells, and other things as they shall take up by the meanes of the said engins, after they shall have made appeare in the Court of Exchequer the full value thereof, upon oath, and brought the other moyetie into the excheq^r to His Ma^ties use. Teste R apud Cañbury, viij° die July, a° pred. p bre &c.

NORWOOD. 2nd April 1632.

56. A sp̃iall lycence graunted to RICHARD NORWOOD and his assignes, for the term of 14 yeares next ensing, of the sole making and using (within His Ma^{t}^{y}s dm̃ons) the manner of diving by him newely invented, not used by others, and the engine or instruments invented by him, and not used by others, for dyving and for raising or bringing out of the sea or other deepe waters any goods lost or cast away by shipwracke or otherwise; provided that if at any tyme it shall appeare to His Ma^{ty} or his privy council that this graunt shal be p̃iudiciall for the com̃on wealth that then, upon His Ma^{t}^{y}s signification thereof under His M^{s} signett or privy seale or under the hands of sixe or more of his said privy councell, this graunt to be voide. Teste Rege apud Westm^{r}, śc̃do die Aprilis, anno p̃d. p̃ br̃e &c.

BARTHOLMEWE. 17th April 1632.

57. A sp̃iall priviledge graunted to JOHN BARTHOLMEWE and his assignes (for 14 yeares next ensuing) of the sole framing, erecting, and using in any place within His Ma^{t}^{y}s kingdomes and dm̃ons of an engine or instrument for the drayning of water out of mynes, by him newely invented and not formerly used by others—paying yearely into the excheq^{r} xl^{s}. Teste R̃ apud Westm^{r}, xvij^{o} Aprilis, anno p̃d. p̃ br̃e &c.

WARDOUR. 11th June 1632.

58. A sp̃iall priviledge graunted to Sir EDWARD WARDOUR, k^{t}, and his assignes, for 21 yeares next ensuing, to exercise and use (within His Ma^{t}^{y}s dm̃ons) the arte and way of making of saltpeter by him first invented, and the same soe made to sell for their best profitt; provided that if this graunt shal be found to be p̃iudiciall for the com̃on wealth that then, upon signific̃acon of His Ma^{t}^{y}s pleasure under his signett or privy seale or under the hands of sixe of His Ma^{t}^{y}s privy councell of such p̃iudice, this grant to be voide; and the said Sir Edward doth hereby coven^{a}nt not to sell or vent any saltpeter for 5 yeares next coming unto any other but to His Ma^{tie} without His Ma^{t}^{y}s licence. Teste R̃ apud Westm^{r}, xj^{o} die Junii, anno p̃d. p̃ br̃e &c.

GRENT. 20th July 1632.

59. A sp̃iall priviledge graunted to THOMAS GRENT, d̃cor of physicke, and his assignes, to use and practise (within England, Ireland, and Wales), for the terme of 14 yeares next ensuing, several instruments, whereof the first is an instrum^{t} very profittable when com̃on wynds fayle for a more speedy passage of calmed shipps or other vessells upon the sea or great rivers, w^{ch} may be called the winds m̃aty. The seacond the fish call or a looking glasse for fishes in the sea, very usefull for the fishermen to call all kinde of fishes to their netts, speares, or hookes, as severall calls are needfull for fowlers to call several kindes of fowles or birds to their netts or snares. The third a water bowe, being a manuall instrum^{t} made very serviceable for divers uses, esp̃ially for the more speedy p̃servac̃on of houses upon the land and shipps upon the sea from sudden fire. The fowerth a building mould or stone presse, very requisite for the building of churches or great houses, by w^{ch} stone windows, doore-cases, chimney peeces, &c, are made more speedyly without hewing, cutting, sawing, or ingraving, as also brickes and tyles more beautifull to the eye and more durable against foule wether, being as smooth as glasse on the one syde or end, with divers colors & workes, as if they were carved by skylfull hands and curious workmanship. The fifte a moveable hydraulicke or chamber wethercall, like a cabbinett, w^{ch} being placed in any roome or by a bedside causeth sweete sleepe to those w^{ch} either by hott feavers or otherwise cannot take rest, and withall altereth the dry hott ague into a more moistning and cooling temper, either with musicall sounds or without. The sixt a water worke instrument, w^{ch} may be called a corrected crane, by w^{ch} wyne, oyle, or any other liquor may be transfused from one vessell w^{ch} cannot well be removed to another remote, as alsoe water may be drawne from one place to another

without any sucking or forcing by the mouth, as vintners and others to use to doe—paying to His Maty the yearely rent of xxvjs viijd during the terme aforesaid. Teste Rex apud Westmr, xxo die Julij, anno pd. p bre &c.

Murford. Hanworth. 3rd December 1632.

60. A spiall priviledge graunted to Nichas Murford and Xr'ofer Hanworth, gent., and their assignes, for the term of xiiijteen yeares next ensuinge, within England and Wales, to use and exercise the misterie, arte, and waie of makinge of salt, whereof they were the first inventors and wch others have not used or put in practise—payinge therefore yearely into His Mat's receipt of exchequer duringe the said terme vjli vjs viijd; provided that if it shall appeare that this graunt is contrarie to lawe, or mischevous to the state, or generally inconvenient, then, upon His Mat's declaracon under his signet or privy seale or under the hands of sixe or more of His Highnes privie councell of such piudice or inconvenience, this grant to be voide. Teste Rege apud Westmr, tercio die Decembris, anno pd. p bre &c.

Jorden. 7th December 1632.

61. A spiall priviledge graunted to Edward Jorden, dcor in phisicke, and his assignes, for the terme of 14 years next ensuinge, wthin His Mat's dmons, to practise and put in use the mistery, arte, and waye of meltinge of tynne, iron, leade, and copper oare wth pitcoale, peate, and turfe, not formerly used by any others, wth power to sett up in any place wthin His Mat's said dmons any houses, furnances, vessells, or implements fit for the same—rendringe therefore yearly to His Maty duringe the said term 6s 8d; provided that if this grt prove mischeivous to the state or contry to His Mat's lawes then, upon significacon thereof by His Maty or any sixe of the lords of His Highnes privy councell, the same shal be voide. Teste Rex apud Westmr, septime Decembris, anno pd. p bre &c.

Goyvarts. Le Februe. 12th April 1633.

62. A spiall priviledge graunted to Melchior Goyvarts and Peter le Februe and their assignes, for the terme of xiiijen yeares next ensuing, to frame, erect, exercise, and put in use in any place wthin Mat's dmons (with consent of the pties interested) watermills upon any standinge waters, lakes, or ditches wherein is competent water, first invented by them and not formerly used by any others, with prohibicon to all others usinge the same; provided that if the patentees or their deputies shall not from tyme to tyme keepe one apprentice, bound in England, whome they shall instructe in the said science, or if att any tyme (duringe the said terme) it shall appeare to His Maty or the lords and others of the privy councell that the watermilles aforesaid shall be inconvenient for the comon wealth then, upon significacon of His Maty or any sixe or more of His Hs privy councell of such piudice, this graunt to be voide. Teste Rex apud Westmr, xijo die Aprilis, anno supradco. p bre &c.

Bull. 25th May 1633.

63. A spiall priviledge graunted to Dekins Bull and his assignes (for the terme of 14 yeares next ensuinge) to use and exercise within His Mat's kingdomes the misterie and arte of makinge staunch all manner of platformes, tarises, or any other roomes belonging to architecture, soe that neither fire or water shall never endanger or hurt any house or houses being furnished with his worke, being first invented by him and not formerly used by any others, with a prohibicon to all others to use the same; provided that if any tyme duringe the said terme it shall appeare to His Maty or the lords and others of the privy councell that the invencon aforesaid shal be inconvenient for the comon wealth then, upon significacon of His Maty's pleasure or of any sixe or more of His Highnes privy councell of such piudice, this graunt to be void. Teste apud Westmr, xxvo Maii, anno pd. p bre &c.

HILL.
30th May 1633.

64. A spiall priviledge graunted to SYMON HILL, gent., and his assignes (for the terme of 14 yeares next ensuinge) of the sole libtie within England, Ireland, and Wales to practise and putt in use a newe invented remedy and way, by him first invented, for the takinge away of barrs or bedds of sand and gravell either in the river of Thames or any other rivers within His Mat's said dmons, and also to practise a waye for gayninge firme foundacons under water for erecting and makinge of peeres or walles of stone, and to practise a way either by sluces, channells, or otherwise, for dreyninge of all sorts of flatt and levell grounds, with a prohibicon to all others for doinge the like. Teste R apud Westmr, xxxj Maii, anno pd. p bre &.

WILLIAMES.
VAN WOLFEN.
1st October 1633.

65. A spiall priviledge graunted to Sir ABRAHAM WILLIAMES, knt, JOHN CASPAR VAN WOLFEN, and others. for the terme of 14 yeares next ensuinge, to use and exercise in any place within His Ms dmons the arte and meanes of charkinge of seacole and all other earthcole and of dressinge and qualifyinge them fitt for the meltinge and makinge of iron and other metalls, it beinge by them first invented, with a inhibicon to all others doinge the like—payinge yearely to His Maty for this priviledge 10s; and the patentees doe hereby covenñt and promise that they will from tyme to tyme duringe the said terme keepe one servant, borne in England, and instruct him in the said science; provided that if at any tyme it shall appeare to His Maty or the lords of the privy councell that the execucon of the premisses wil be piudiciall for the comon wealth then, upon significacon to be made by His Maty or by the lords of his privy councell or any sixe or more of them of such inconveniences, this grt shal be voide. Teste Rege apud Cañbury, primo Octobris, anno pd. p bre &c.

DERICKSON.
7th January 1634.

66. A spiall privelege graunted to CHRISTIAN DERICKSON, engineer, and his assignes, for the term of xiiijen yeares next ensuinge, of the sole makeinge, settinge, and frameinge, wthin England and Wales, of springe doores, to bee placed on the lands side of such sluces as are made in sandy rivers for the forceible scouringe, gayninge, and maynteyninge of anie outfall at sea, and for makeinge of tenne milles for the rayseinge of water out of sluce pitts or other workes subiect to inondacon, both wch works are very usefull in drayneinge of fennes and marishe grounds and have never yet been practised in anie His Mat's dominions; provided that yf at anie tyme hereafter yt shall appeare that this graunte is contrary to lawe or piudiciall to the state then, upon significacon to bee made by His Maty under his signett or privy seale or under the hands of Six of his privy counsell of such piudice, the same to be voyde. Test vijo Jañ. p bre &c.

VIVYAN.
14th January 1634.

67. A spiall priviledge graunted to HANNYBALL VIVYAN, esqre, His Mat's servant, for the terme of xiiijen yeares next ensuinge, to use and exercise an engin, by him invented, for the draweinge and drayninge of waters and raysing or hoysing up of anie great weight ether out of His Mat's tynne mynes in the countyes of Cornewall and Devon or elsewhere within England and Wales, prohibitinge all others—rendringe therefore yearely to the Crowne the yearely rent of 3li; provided that yf this graunte will appeare to bee piudiciall to the comon wealth then, upon significacon from His Maty or anie six of the privy counsell, the same to bee voyde. Teste xiiijo die Januarii. p bre &c.

RAMSEY.
29th January 1634.

68. A spiall priviledge graunted to DAVID RAMSEY, esquire, one of the groomes of His Mat's privy chamber, for xiiijcn yeares next ensueing, wthin England and Wales to use and exercise the severall devises and invencons for dyeinge of colors wthout the use of cutchineell by the onely use of materialls groweinge in His Mat's dominions; and for soweinge of corne and grayne a

farre more easie way then usuall; and also for the carriage of coaches, carts, drayes, and all other things goeinge upon wheeles—payeinge therefore into the excheq^{r} a iust tenth parte of the profitts ariseinge thereby, ꝑhibitinge all others, wth a provisoe that if this graunte shall appeare ꝑiudiciall to the cõmon wealth then, upon significacõn from His Ma^{tie} or anie six of the privy counsell of such inconveniency, the same to be voyde. Teste 29 Jañ.

ꝑ bꝛe &c.

NEADE. NEADE. 12th May 1634.

69. A sꝑiall priviledge graunted to WILLIAM NEADE and WILLIAM NEADE his sonne and their assignes, for the term of xiiij^{en} years next ensuinge, for the sole makinge and venting within England and Wales of certen engins, by the said William the father first invented, for affixing the bowe and the pike together, and a newe quiver for the arrowes, not formꝛly used by any others, inhibitinge all others to doe the like. Teste apud Westm^{r}, xij^{o} Maii, anno ꝑd.

ꝑ bꝛe &c.

LAINER. 21st May 1634.

70. A sꝑiall priviledge graunted to JEROME LAINER, His Ma$^{t's}$ servant, and his assignes, for the terme of xiiij^{en} yeares next ensuinge, wthin England and Wales to use, exꝛcise, and practise a mystery, way, and meanes by affixing of wooll, silke, and other materialls upon lynnen cloth, silke, cotton, leather, and other substances wth oyle, size, and other cements, to make them useful for hangings and other occasions, w^{ch} he calleth Londrindiana, whereof he was the first inventor, inhibitinge all others to use the same—payinge therefore yearely to the excheq^{r} x^{l}; provided that if this gr^{t} shall at any tyme duringe the said terme appeare to His Ma^{ty} or the lõ of His H^{s} privy councell to be ꝑiudiciall to the cõmon wealth then, upon declaracõn from His Ma^{ty} or any sixe or more of the privy councell of such inconvenience, the same to be voide. Teste apud Westm^{r}, 21^{o} Maii, a^{o} ꝑd. ꝑ bꝛe &c.

ROTISPEN. 24th June 1634.

71. A sꝑiall priviledge graunted to ARNOLD ROTISPEN, His Ma$^{t's}$ servant, for xiiij^{en} yeares (if he live soe longe) for framing and makinge 21 severall engines and instruments, by him invented for His Ma$^{t's}$ ꝑticuler service, w^{ch} are to be wrought and sett in His Ma$^{t's}$ storehouse at the minorite, and not to be thence t^{a}nsported wthout His Ma$^{t's}$ cõmaund first had and received; and the patentee doth hereby coveñnt to take an English apprentice or apprentices, servant or servants, and carefully to instruct him or them in his invencõns. Teste apud Westm^{r}, xxiiij^{to} Junii, anno ꝑd. ꝑ bꝛe &c.

PARHAM. PREWETT. PREWETT. DORNEY. 17th July 1634.

72. A sꝑiall priviledge graunted to WILLIAM PARHAM, JOHN PREWETT, AMBROSE PREWETT, and THOMAS DORNEY, for xiiij^{en} yeares next ensuinge, to make and put in practice wthin England and Wales a certen newe engine, by them newely invented and framed, not formꝛly used by others, for the plowing of land wthout horses or oxen, by the labo^{r} of two men to enforce it and one to guide it—paying therefore yearely to the Crowne xx^{li}; wth a provisoe that this graunt shal be voide upon significacõn from His Mat^{y} or sixe of the privy councell of any inconvenience that shall hereafter happen thereby. Ꝛ apud Cañbury, 17^{o} Julii ꝑd. ꝑ bꝛe &c.

BULMER. 18th July 1634.

73. A sꝑiall priviledge granted to JOHN BULMER, esq^{re}, m^{r} surveyo^{r} of His Ma$^{t's}$ mynes, mineralls, & engines for waterworks, for the term of xiiij yeares next ensuing, for the sole using of his own engines and invencõns for the taking up of shipps and goods sunck in the sea and using them according to his owne waies wthin His Ma$^{t's}$ seas and dmions according to the lawes in that behalfe established. Teste 18^{o} Julii, anno ꝑd. ꝑ bꝛe &c.

WHITE. 12th Sept. 1634.

74. A sꝑiall priviledge graunted to PHILLIP WHITE, blacksmith, and his assignes, for xiiij next ensuing, wthin England & Wales, to make, frame, and exꝛcise

certen iron chaines, by him invented, for the mooringe of shippes—paying yearlly into His Ma$^{t's}$ receipt of exchеq^{r} x^{li}; provided that if this graunt shall appeare to be ꝑiudiciall to His Ma^{ty} or the comonwealth that then, upon declaracõn made thereof by His Ma^{ty} under his privy seale or great seale or by six of the privy councell under their hands, the same to be voide. T. xij^{o} Septembr̃. p br̃e &c.

PRUSEN. STRACH. 19th Nov. 1634.

75. A sꝑiall priviledge graunted to HILDEBRAND PRUSEN, His Ma$^{t's}$ servaunt, and HOWARD STRACH, at the nõiacõn of John and Jacob Dreble, Abraham Rusfeler, and Anne his wife, sonnes and daughter of His Ma$^{t's}$ late servaunt Cornelius Drebble, deceased, for the term of xiiij^{en} yeares next ensuinge, within England, Ireland, and Wales, to use and practise the art or mistery of makinge or erecting of stoves or furnaces of iron, of brickwork, and of earth, for heating of water or any other liquor, makinge of salt, and of salt water alone or of salt upon salt, for heating of any roomes in dwelling houses for any houshold affaires, for hott houses, for drying of saffron, hops, fruits, sweetemeates, gummes, gunpowder, saltpeter, mault, or any other graine with seacoale, charcoale, peate, turffe, or any kinde of ffewell, whereof the said Cornelius Dreble was the first and true inventor and w^{ch} any other (before him) did not use or put in practise; provided that if at any tyme duringe the terme aforesaid it shall appeare to His Ma^{ty} or to the lords and others of the privy councell that this graunt is ꝑiudiciall to the cõmonwealth then, upon significacõn to be made by His Ma^{ty} or the lords of the privy councell or sixe or more of them, the same to be void. Teste apud Westm^{r}, xix^{o} Novembris, ann^{o} ꝑd. p br̃e &c.

DUNCOMBE. FARRAR. MERTIN. ROOKS. 18th Dec. 1634.

76. A sꝑiall priviledge graunted to S^{r} SAUNDERS DUNCOMBE, k^{t}, RICHARD FARRAR, and JAMES MERTIN, esq^{re}, and RICHARD ROOKS, gent., for the terme of xiiij^{en} yeares wthin England and 31 yeares wthin Ireland, of the sole making, using, and practizinge of several engines or instrum^{ts} for the raysinge of water out of mines and other places, by them first invented and not practized by any others—rendringe to His Ma^{ty} one intire fourth ꝑte of the cleere ꝑfitt of the ꝑmisses; provided that if it shall appeare to His Ma^{ty} or the lords of the privie councell that this graunt is ꝑiudiciall to the cõmonwealth then, upon significacõn of His Ma^{ty} or any sixe of the privy councell of such ꝑiudice, this graunt to be voide. Teste xviij^{o} Dec̃ ꝑd. p br̃e &c.

EYRES. MOWATE. MOWATE. WALLIS. 19th Dec. 1634.

77. A sꝑiall privilege graunted to JOHN EYRES, CHARLES MOWATE, and JOHN MOWATE, and JOHN WALLIS, gent., and their assignes, for the term of xiiij^{en} yeares, of the sole useinge and practisinge of an invencõn wthin England, Ireland, and Wales, by them first invented, for the makinge of woollen cloath impenitrable of rayne as well for journeyinge as for saveinge of much leather that is now wasted in coveringe of coaches and waggons—payeinge yearely into His Ma$^{t's}$ exchеq^{r} x^{li} duringe the said terme provided; that yf at anie tyme hereafter this graunte shall be found ꝑiudiciall to the cõmonwealth then, upon significacõn of His Ma^{ty} or any six of the privy counsell of such inconveniency, this graunte to be voyde. Teste 19^{o} Decembr̃. p br̃e &c.

RAMSEY. ARNOLD. AYLIFFE. 17th Feb. 1635.

78. A sꝑiall priviledge graunted to DAVID RAMSEY, MICHAELL ARNOLD, and JOHN AYLIFFE, and their assignes, for the terme of xiiij^{en} yeares next ensuinge, of the sole usinge and exꝯcisinge (wthin England and Wales) as well of a new invencõn by them invented and ꝑfected for the boyling of great or little brewing vessells of liquor or other vessells used by dyers, soapeboylers, saltmaker, saltpeter makers, and for the dryinge of bricks and all manner of tyles wth seacoales, as of an invencõn for the making and dryinge of pan tyles, stone juggs, bottles, melting potts for gouldsmithes, and other earthen comodities

also with seacoles, w^ch nowe are made in forraine pts—paying yearely to the Crowne a fourthe pte of the profitt of the said invencõns. And they are to give an iust accompt yearely upon oath before one of the barons of the exchequ^r, and shall pay the said fourth pt into the receipt of exchequ^r; with the ordinary proviso that if this graunt shall be found to be contry to lawe or inconvenient the same to be void. Teste apud Westm^r, xvij^o Feb, anno p̄d. p bre &c.

BARTON. 9th March 1635.

79. A sp̄iall priviledge graunted to WILLIAM BARTON, gent., and his assignes (for the terme of 14 yeares next ensuing), of the sole licence and power, w^thin England, Ireland, and Wales, to use and exc̃ise c̄ten engines, by him invented, w̃ch (being putt in order) will cause and maintayne their owne moc̃ons w^th continuance and without any borrowed force of man, horse, winde, river, or brooks, whereby many severall kinds of rare works may be pformed to the benefitt of the com̃on wealth—paying yearely into the exchequ^r xl^li; w^th the ordinary proviso to make this graunt voide in case it shall appeare to be inconvenient. Teste apud Westm^r, nono die Marcii, anno p̄d. p bre &c.

VANDEBROOK. CULPEPPER. SCANDALARUS. 10th March 1635.

80. A sp̄iall priviledge graunted to JAMES VANDEBROOKE, Com̃isse Generall of Holland, S^r THOMAS CULPEPPER, knight, Lieveten^ant of Dovor Castle, and NICHOLAS SCANDALARUS, and their assignes (for the terme of fourteen yeares next ensuing), within England and Wales, of the sole power of making of salt after a newe waye not heretofore practised in this kingdome, whereby they o^ffer to furnish His Ma^ty's subiects w^th sufficient quanteties of good and m̄chantable salte at moderate rates, and to allow His Ma^ty 4^d for every bushell that shal be made and sould by them, and that they will pforme this worke w^th much lesse expence of fuell then hath byn formerly used that way. They have power to sett up their salt works in any pts of England and Wales (except at or betweene the ports of Barwicke and Southt̄on) upon His Ma^t's waste neere the sea coasts or any navigable rivers. All others are inhibited to use their way of making salt, upon paine of forfeiting the same to His Ma^ty, whereof these patentees are to have one moyety. And their servants and workmen are to be exempted from beinge p̄ssed into His Ma^t's service by land or water w^thout the patentees consent, except it be by His Ma^t's sp̄iall com̃aund or by order of the Privy Councell. His Ma^ty doth hereby appoint the allowance of 4^d upon every bushel of salte to be employed for the repaire of Dovor Castle and the rest of the cinque ports, and for the enlargement of Dovor Harbour or making a newe harbor there; and to that end His Ma^ty may please to appointe a surveyor of the salt works, who is to keep books of all that shal be made and sould, and a receiver of the four pence, and also an expenditor of the moneys imployed about the said repac̃ons and works. Teste apud Westm^r, decimo die Marcii, anno p̄d. p bre &c.

MAYERNE. CADEMAN. 25th March 1635.

81. A sp̄iall priviledge graunted to Sir THEODORE DE MAYERNE, k̄t, and THOMAS CADEMAN, dc̃or in physicke, and their assignes, for the terme of 14 yeares next ensuing (w^thin England and Wales), to exc̄sise and putt in practise the mistery and art of distilling strong waters and making vinegars of cider, perry, and buck or French wheate, whereof they have byn the first inventors—paying the yearely rent of x^li, with prohibic̃on of exportac̃on of buck or French wheate w^thout licence from His Ma^ty; w^th a proviso that if this graunt is contrary to lawe or mischeivous to the state or gen̄ally inconvenient this graunt to be voide. Teste apud Westm^r, xxv^o Marcii, anno p̄d. p bre &c.

COXE. 6th June 1635.

82. A speciall priviledge graunted to MATTHEW COXE, for xiiij^en yeares next ensueinge, of the sole makeinge of wafer seales w^thin theis His Ma^t's d̄nions, by him invented and not form̄lie used or practised by any others—payinge therefore yearlie into His Ma^tie's receipt xxvj^s viij^d duringe the said terme.

And the patentee doth hereby covenᵃnte during the said terme to sell to any that shall have occacõn to use the same 100 of the said seales for 1ᵈ. Teste Rege apud Cam̃burie, vjᵗᵒ Junii, anno sexto. p bꝛ̃e &ᶜ.

FRANCKE. 25th June 1635.

83. A sp̃iall priviledge graunted to Capten THORNEFFE FRANCKE, for xiiijᵉⁿ yeares next ensueinge, wᵗʰin England, Ireland, and Wales, to use and ex̃cise an invencõn, by him invented, for the makinge of all sorts of furnaces for melting or smelting of copper, tynne, leade, iron, glasse, and all other mineralls whatsoever, and for melting of mettles for the casting of all sorts of ordnance, and alsoe for the makeinge of kilnes for the burninge of bricks, tyles, earthen potts, and lyme, according to the waies and meanes by him invented—payinge therefore yearely into the severall receipts of the exchequer in England and Ireland full three parts (in ten pts to be divided) of all such somes of money and profitts as by him or his assignes shal be acquired or gotten by meanes of the said invencõn; wᵗʰ a proviso that if it shall appeare that this graunt is contr̃y to lawe or inconvenient to the estate then, upon significacõn thereof to His Maᵗʸ, this graunt to be void. Teste apud Cañbury, xxvᵒ die Junii, anno p̃d. p bꝛ̃e &ᶜ.

VAN DYCK. FRANNCKE. 14th July 1635.

84. A sp̃iall priviledge graunted to MATHEWE VAN DYCK, gent., and at his nōiacõn to Sir LEVENTHPRYE FRANNCKE, and their assignes, for 14 yeares next ensuing, for the sole makinge, useing, and putting in practise of c̃ten engines, instruments, and works, by the said Matthewe invented and found out, as well for the takinge up and recoveringe of shipps, vessells, or other carriages or things of weight out of the sea or any river or deepe water, as also for the drayninge of mynes of coale, leade, tynne, or the like, and for raysing of waters upwards to any height within England and the dnions thereof through pypes, of winding a counter ballance to the same—yeilding a fourth p̃te of the profitt to be made of the premises to His Maᵗʸ, to be yearely paid at Mich̃as upon accompt to be made upon their oathes; with a proviso that if this graunt shall appeare to be contrary to lawe or inconvenient to the state then, upon significacõn thereof to be made by His Maᵗʸ under his signett or privy seale, this graunt to be voide. Teste xiiijᵒ die Julii, aᵒ p̃d. p bꝛ̃e &ᶜ.

HALSE. 23rd July 1635.

85. A sp̃iall priviledge graunted to NICH'AS HALSE, kᵗ, and his assignes, for terme of 14 yeares next ensuing, wᵗʰin England and Ireland, to putt in practise an invencõn, by him devised, for makinge of kilnes for the dryinge of mault and hops wᵗʰ seacole, turffe, or any other fewell, wᵗʰout touching of smoake, and very usefull for baking, boyling, roasting, starchinge, and dryinge of lynnen, all at one and the same tyme and wᵗʰ one fyre, a modell whereof was lately p̃sented to His Maᵗʸ; by wᶜʰ invencõn the consuming of much wood and strawe wil be saved—yeilding and paying yearely to the Crowne a full moiety of the cleere benefitt thereof; wᵗʰ a proviso that if this graunt shall appeare to His Matʸ to be contrʸ to lawe or inconvenient to the state then, upon significacõn thereof to be made by His Maᵗʸ under his signett or privy seale, this graunt to be voide. Teste apud Cañbury, xxiij Julii, anno p̃d. p bꝛ̃e &ᶜ.

SIBTHORP. 2nd October 1635.

86. A sp̃iall priviledge graunted to HENRY SIBTHORP, serjeant maior, for the terme of xiiij yeares next ensuing, to use and putt in practise within England and Wales a newe arte and way of making of ovens in such sorte as that the bakers, baking cooks, and others may heate the same with seacoles or any other coles digged out of the earth, prohibiting all others to use the same—paying therefore yearely into the excheqʳ xxᵗʸ marks; with a provisoe that if this grant shall be found inconvenient to the state then, upon declaracõn from His Maᵗʸ or any six of the Privy Councell of such inconvenience, this graunt to be voide. Teste apud Cañbury, sc̃do Octobris, anñ p̃d. p bꝛ̃e &ᶜ.

JEROM. WEBB. 31st October 1635.

87. A spiall priviledge graunted to SARA JEROM, widdowe, and at her nōiacon to WILLIAM WEBB, and their assignes, for the terme of 14 yeares next ensuing, to make and putt in practise a ten engine for the cutting of timber into thynne peeces, called scales, for the making of bandboxes, scabbards for swords, and the like—payinge yearely into the exchequr xxs; wth a proviso if be found to be piudiciall to the comonwealth this graunt to be void. Teste R apud Westmr, 31o Octobris, anno pd. p bre &c.

ROSSE. ROBERTS. 1st Dec. 1635.

88. A spiall priviledge graunted to JAMES ROSSE, one of the pages of His Mat's bedchamber, and ALEXANDER ROBERTS, gent., for the terme of 14 yeares next ensuinge, wthin England, Wales, and towne of Barwicke, to use and put in practise any art and invencon of makinge of white and redd lead wth lytharge or leade out of wch the silver is or shall be first extracted, being an invencon not heretofore practised by any but them or one of them—rendringe therefore yearely to the Crowne duringe the said terme xxli. Teste primo Decembris, anno pd. p bre &c.

BIDDLE. OSBALDSTONE. 18th March 1636.

89. A spiall priviledge graunted to EDWARD BIDDLE, and at his request to THOMAS OSBALDSTONE, esqre, one of His Mat's serjeants at armes, and their assignes, for the terme of 14 yeares next ensuing, wthin the citties of London and Westmr and foure miles round about the same, to excise and put in practise the mistery and arte of drawinge out and extractinge the tallowe or other liquid substance of all victuall bones to be gathered and had wthin the limitts aforesaid, whereof the said Edward Biddle was and is the first and true inventor and others have not hitherto used or putt in practise—yieldinge and payinge therefore duringe the said terme into the exchequr the yearely rent of 50li, and also givinge and payinge after the rate of vjd for every 100 weight of the said bones, videlt, one third pt to the psons as shall save them, and the other two pts unto such poore people as (at the nōiacon of the churchwardens of the respective parishes wthin the limitts aforesaid) shall gather and bring the same to some convenient place to be weighed; wth the cusmary proviso to make this graunt voide if it be found contry to lawe or mischeivous to the state. Teste apud Westmr, xviijo Marcii, anno undecimo. p bre &c.

BROUNCKER. 26th March 1636.

90. A spiall priviledge graunted to Sr WILLIAM BROUNCKER, knight, shewing that whereas he by his great labours and cost hath found out an invencon to drawe as much more aqua vitæ or thereabouts of the same porcon of liquor as any hitherto hath done, and likewise to extract out of every quarter of mault eight gallons of stronge water, and yett make as much and as good bere as any can doe (halfe a barrell excepted), His Mty therefore (upon his humble peticon) doth hereby graunt unto him and his assignes, for the terme of 14 yeares next ensuinge, sole licence and priviledge to excise and putt in practise the said invencon; wth an inhibicon that none others then the patentee and his assignes doe putt in practise the said invencon within England and Wales without his licence, he paying into the exchequr the yearely rent of vli; with the ordinary proviso, &c. Teste apud Westmr, xxvjo Marcii, anno undecimo. p bre &c.

VERNATT. 22nd April 1636.

91. A spiall priviledge graunted to Sr PHILLIBERT VERNATT, knight and baronett, and his assignes, for the terme of xiiijen yeares next ensuing (wthin England, Ireland, and Wales), of the sole licence to use and excise a newe way and invencon, by him found out and pfected (upon any hearth, furnace, or other place apted for that purpose), for the makinge, meltinge, smeltinge, castinge, foundinge, producinge, fininge, mealinge, beaten, or workinge of iron, steele, brasse, copper, mettle, or mettalique concoccons, or for the castinge of ordnnce or any other works of like nature wth a fire of seacole, pitcoale, or

stone coale, w^th^out mixinge the same with charcoale or charkinge the same seacole, pittcole, or stone coale, or w^th^ any other fewell or combustible matter of what nature soever the same be (wood or fewell made of wood onlie excepted)—payinge to His Ma^t's^ v^s^ upon every tonne of iron, leade, tynne, copper, or other the said mettals that shal be made by him, his agents or servants, a tenth part of all such moneys or profitt as he or his assignes shall receive upon any composic̃on to be made in grosse (and not by the tonne) w^th^ any p̃sons for the use and ex̃cise of this priviledge; w^th^ a proviso that if this graunt shall appeare to be contrary to lawe or mischeivous or inconvenient to the state then, upon significac̃on thereof under His Ma^t's^ signett or privy seale, this graunte to be voide. Teste apud Westm^r^, xxij^o^ die Aprilis, anno p̃d. p b̃re &c.

Westby. 25th April 1636.

92. A sp̃iall priviledge graunted to William Westby and his assignes, for 14 yeares next ensuing, w^th^in England and Wales, of the sole making of pantyles or flanders tyles after a way by him invented and not formerly practised by any others w^th^in the said kingdome and d̃nions—paying therefore yearely into the excheq^r^ x^li^; with the ordinary proviso that if it be found inconvenient or p̃iudiciall to the com̃onwealth this graunte to be voide. Teste apud Westm^r^, xxv^o^ Aprilis, anno p̃d xij^o^.

Lindsey. Hobart. 13th May 1636.

93. A sp̃iall priviledge graunted to Robert Lindsey, esq^r^, and John Hobart, gent., and their assignes, for the terme of xiiij yeares next ensuing, to use and ex̃cise w^th^in England, Ireland, Wales, and the towne of Berwicke a newe waye, by them invented, to avoid the annoyance of smoake in brewhouses, dyehouses, and the like, and alsoe to p̃serve caldrons, coppers, boylers, furnaces, and the like, at half the charges or thereabouts either of fire or vessels—paying therefore yearely into the excheq^r^ xx^li^; with a proviso that if &c. Teste xiij Maii p̃d. p b̃re &c.

Lindsey. Hobart. 23rd June 1636.

94. A sp̃iall priviledge graunted to Robert Lyndsey and John Hobart, gent., for the terme of 14 yeares, of the sole using and exercising of a newe invenc̃on w^th^in England, Ireland, Wales, and the towne of Barwicke, by them invented and devised, for the making and erecting of ovens for saving of wood—paying therefore yearely into the excheq^r^ 20^li^; w^th^ the ordinary proviso that if this graunt shall appeare to be contrary to lawe or mischeivous to the state the same to be voide. Teste apud Cañbury, xxiij^o^ die Junii, anno p̃d. p b̃re &c.

Shawe. 5th July 1636.

95. A sp̃iall priviledge graunted to John Shawe and his assignes, for the terme of xiiij yeares next ensuing, w^th^in England and Wales, to putt in practise c̃ten arts and invenc̃ons for the manuring and improving of grounds of what sort soever after the divers and severall waies and means by him found out and devised—paying therefore yearely into the excheq^r^ v^li^; w^th^ the ordinary proviso for making this priviledge void if in case it shal be founde inconvenient. Teste apud Cañbury, quinto die Julii, anno p̃d. p b̃re &c.

Danby. 6th July 1636.

96. A sp̃iall priviledge graunted to George Danby and his assignes, for the terme of 14 yeares next ensuing, of the sole power to use and ex̃cise w^th^in England and Wales an invenc̃on for melting and casting of copper into ingotts to make the same tuffe and drawing the same after the way and manner by him invented and not formerly used or practised and brought to pfec̃on w^th^in His Ma^t's^ d̃nions—paying yearely into the excheq^r^ x^li^. The like priviledge was formerly graunted to David Ramsey, w^ch^ not coming to pfec̃on he hath surrendred and hath humbly desired His Ma^ty^ to graunt this to the patentee; with the ordinary proviso to make this gr^t^ voide if it shal be found p̃iudiciall. Teste apud Westm^r^, sexto die Julij, anno xj^o^ Caroli &c. p b̃re &c.

STONE. 9th July 1636.

97. A sp̄iall priviledge graunted to BENJAMIN STONE, swordblade maker, and his assignes, for the terme of 14 yeares next ensuing, w^th^in England, Ireland, and Wales, and towne of Barwicke, to make and worke all manner of sword blades, fauchions, skeynes, rapyer blades, and blasts serving for rests for musketts of any fashion or kinde whatsoever, according to a way and invenc̄on, by him devised, by the helpe of mill or mills, and the same to sell at moderate rates—paying therefore yearelie to the Crowne x^ls^ during the said terme; with the ordinary proviso for making this graunt voide in case it shall be found to be contrary to lawe or inconvenient to the state. Teste apud Cañbury, nono die Julii, a^o^ p̄d. p bre &c.

PEYTON. WILLIAMS. 26th July 1636.

98. A sp̄iall priviledge graunted to THOMAS PEYTON, gent., and at his noīac̄on to WALTER WILLIAMS, gent., and others, for the terme of xiiij yeares next ensuing, to use and exercise within England and Wales the art and mistery of charking of seacoles, whereof the said Thomas Peyton is the first and true inventor, and the same soe charked to sell and utter at moderate rates and prices—paying therefore yearely to the excheq^r^ the rent of xx^s^, prohibiting all other to use the same; w^th^ the ordinary provisoe in all priviĺ. Teste apud Cañbury, xxvj^o^ Julii, anno p̄dc̄o. p br̄e &c.

GREENBURY. GREENBURY. 1636.

99. A sp̄iall priviledge graunted to RICHARD GREENBURY, of London, painter, and EDWARD GREENBURY, for the terme of 14 yeares next ensuing, to use and exercyse in England, Ireland, and Wales the arte or mistery of painting w^th^ oyle cullors upon woollen cloath, kerseys, and stuffes, being prop for hangings, and alsoe w^th^ the said cullors upon silke for windows, after the way by the said Richard Greenbury invented—rendring therefore yearely to the crowne x^ls^; with the ordinary provisoe, &c. Teste eod. p br̄e &c.

HUGHES. 4th Jan. 1637.

100. A sp̄iall priviledge graunted to HENRY HUGHES, dc̄or of physicke (for 14 yeares), to use and ex̄cise within any His Ma^t's^ kingdoms and d̄nions or any of them, according to his owne invenc̄on, the sole making of barilia, and to sell the same to his best benefitt—paying yearely for every tonne by him to be made as aforesaid the like somes of money, customes, impost, duties, and other things usually paid to His Ma^ty^ or the farmo^rs^ of the customes upon importac̄on of barilia out of Spaine or other forraigne parts into any of His Ma^t's^ d̄nions at the receipt of His Ma^ty's^ excheq^r^, and shall there deliver every yeare a iust accompt upon oath, to be taken before one of the barons of the excheq^r^, w^ch^ is to be cast up by the said farmo^rs^ of His Ma^t's^ customes or one or more of them; with the ordinary proviso that this gr^t^ shall be voide in case it be found inconvenient. Teste apud Westm^r^, quarto Januarii, anno p̄d. p br̄e &c.

GREGORY. DICKENSON. 9th January 1637.

101. A sp̄iall priviledge granted to EDMOND GREGORY, gent., and LYMINGE DICKENSON, His Ma^t's^ servant, and their assignes, for xiiij yeares next ensuing, to use and sett up w^th^in England and Wales the sole making, working, and using of an arte or mistery for the taking away the outside of shells called ormer shells and covering of cloth, taffatie, wood, and other stuffes w^th^ the same, after the manner and forme whereof they were the first inventors and w^ch^ any others have not used in any of His Ma^ty's^ d̄nions before the patentees—payinge therefore yearely into the excheq^r^ v^li^; with the ordinary proviso. Teste nono Januarii p̄d. p br̄e &c.

EARL of BERKS. 7th Feb. 1637.

102. A sp̄iall priviledge graunted to THOMAS EARLE of BERKS, for the terme of 14 yeares, of the sole use as well of c̄ten kilnes for the drying of maulte, wheate, beanes, pease, oates, flaxe, hempe, yarne, hatts, and hopps, or whatsoever graine may be dryed with fire, with seacoale, turfe, peate, or any other the meanest fewell, as alsoe of c̄ten ovens and other invenc̄ons, to be used

together with the said kilnes as ꝑte thereof or else of themselves alone, very necessary for baking, boyling, roasting, starching, and drying of lynnen, and divers other the like conveniences, all at one and the same fire and at the same tyme, within and throughout England, Ireland, ꝺnion of Wales, and towne of Berwicke; with power to licence others to use the same, with a declaracõn that all psons licensed to use the said kilnes for drying of maulte may use the trade of maulting without interrupcõn or composicõn to be made with any other then with the said earle and his assignes; with power to the said earle to deduct the fifte pt of the profitts of the said invencõn for his and their paynes and chardge in managing the said invencõn. And the said earle doth hereby coveñnt to pay to His Maᵗʸ two ꝑts in three to be devided of the residue of the said proffits; and the said earle is to accompt yearely before one of the barons and one of the auditors of the excheqʳ. Teste apud Westmʳ, vij die Februarii, anno ꝑꝺ. ꝑ bꝛ̃e &ᶜ.

Tookey. 10th Feb. 1637.

103. A sꝑiall priviledge graunted to Thomas Tookey, mʳ of arts, for the terme of 14 yeares, within England, Ireland, and Wales, to use and exꝯcise the sole making of lamps and of an engine or mill after a way by him invented and brought to pfeccõn; the mill is for the cheape and speedy making of oyle for the use of lamps and otherwise—paying therefore yearely into the excheqʳ xˡˢ; with the ordinary proviso to make the grᵗ void in case it shal be found ꝑiudiciall. Teste apud Westmʳ, xº die Febꝛ̃, anno ꝑꝺ. ꝑ bꝛ̃e &ᶜ.

Everard. 19th April 1637.

104. A sꝑiall priviledge graunted to Amye Everad alꝭ Ball, widdowe, (for the terme of xiiij yeares next ensuing) to use and exꝯcise within England and Wales the mistery, skill, and invencõn of making, ordering, or contriving of saffron into a manner or forme wᶜʰ shall dissolve into tincture and of divers other vegetables (as of roses, gilliflowers, and the like), into an essence, after a newe way by her invented; with a prohibicõn to all others to use the same; with the ordinary pvso that if this graunt shal be ꝑiudiciall to the comonwealth then to be voide. Teste apud Westmʳ, xixº April, anno ꝑꝺ. ꝑ bꝛ̃e &ᶜ.

Chiver. 17th May 1637.

105. A sꝑiall priviledge granted to Robert Chiver, gent., for the terme of 14 yeares next ensuing, within England, Scotland, and Wales, to use and exꝯcise severall newe waies, arts, engins, and invencõns, by him invented and found out, for improvement of lands and course of husbandry, by raising of waters and inlarging of rivers, and drayning of fenny, moorish, and marsh grounds, and by liming and marling some others, and by usinge of gravell, sand, rubbish, stones, and flint in some, and by planting and producing great increase of hopps with much saving of wood nowe used in poling, and by planting of yonge trees for the increase of tymber in dry and barren grounds; whereby will redound much benefitt to His Maᵗʸ and the comonwealth and to those that shall give way thereunto or make use of the same—yeilding and paying therefore yearely to His Maᵗʸ into the excheqʳ a moyty of all such somes as the patentee or his assignes shall raise or make by meanes or use of the said invencõns, all chardges deducted; with the ordinary proviso to make this grᵗ void if in case it shall appeare to be ꝑiudiciall. Teste apud xvijº Maii, anno ꝑꝺ. ꝑ bꝛ̃e &ᶜ.

Mason. 18th May 1637.

106. A sꝑiall priviledge graunted to Samuel Mason and his assignes, for 14 yeares next ensuing, within England, Ireland, and Wales, to use and practise the way and invencõn of the sole making and dying of buckromes and tillits in whole peeces, with a prohibicõn to all others to use the same—yeilding yearely to the Crowne 2ˢ/6ᵈ for every dozen peeces of buckrome or tillitts (none of the said peeces exceeding the length of sixe yards); with the ordinary proviso to make this graunt voide if it be founde ꝑiudiciall to the comonwealth. Teste apud Westʳ, xviijº May, anno ꝑꝺ. ꝑ bꝛ̃e &ᶜ.

WESTON.
21st July 1637.

107. A sp̄iall priviledge graunted to S^r^ RICHARD WESTON, k^t^, and his assignes, for xiiij yeares next ensuing, within England, to make Castle or Venice soape after the newe waies or meanes by him invented—paying yearely into the excheq^r^ viij^li^ upon every tonne by him and them made and sould to be spent w^th^in this realme; and that the said S^r^ Richard Weston, his deputies, agents, or assignes, shall not sell or dispose of (for the expence of this realme) any greater quantetie then 100 tonnes of the said soape in any one yeare; and for such quanteties of the said soape as he shall sell within the realme to be exported, he shall take sufficient security of double the value thereof of the persons contracting with him that they shall not sell the same within the realme, but shall transporte it into forraigne pts; w^th^ a prohibic̄on of importac̄on of any the said soape or other hard soape whatsoever made in any forraigne pts, upon paine of forfeiture of all such soape, the one moiety to His Ma^ty^, and the other to the company of soapmakers of London and the said S^r^ Richard Weston, to be equally distributed; and the patentee or his agents are to accompt every Trinity terme upon oath before one of the barons of the excheq^r^. Teste 21 Julii, anno p̄d. p br̄e &c.

WHITMORE.
28th July 1637.

108. A sp̄iall priviledge graunted to Capten THO. WHITMORE & his ass^s^ (for xiiij yeares next ensuing) to practise and put in use in England and Wales the waies and meanes of making vitrioll out of copper oare, and of p̄paring copper oare and drawing water from the same, soe as by the use of y^t^ water to make copper out of iron, and likewise of p̄paring of any manner of oare soe as by water to sep̄ate the silver from the said oare without melting the same, whereof he is the true inventor—paying to His Ma^ty^ a full 15^th^ p̄te of all such copp and a tenth p̄te of all such silver as shal be by him, his deputies, servants, & workmen, soe made & sep̄ated, to be paid to such p̄sons as the t̄rer or chancellor of the excheq^r^ shall nōīate in that behalfe; w^th^ the ordinary provisoe. Teste 28 Julii, a^o^ p̄d.

LIN.
YORKE.
MYLES.
6th Sept. 1637.

109. A sp̄iall priviledge granted to FRANCIS LIN, gent., HENRY YORKE, and FRANCIS MYLES for the terme of 14 yeares next ensuing to use and ex̄cise upon the river of Thames and any other river within England and Wales, according to their owne way and invenc̄on, the sole drawing and working up of all barges and other vessells without the use of horses—paying yearely into the excheq^r^ xx^li^; with the ordinary proviso for the making voide of this graunt in case it shall be found p̄iudiciall. Teste apud Cañbury, vj^o^ Septembris, anno p̄d. p br̄e &c.

EVANS.
6th Nov. 1637.

110. A sp̄iall priviledge graunted to JOHN EVANS, clarke, and his assignes, for 14 yeares, to use and putt in practise within England, Ireland, and Wales c̄ten newe invenc̄ons, by him invented, for drawing and raising of waters from overflowing grounds, myne pitts, and coalepitts, by the use of engines by him invented, and also to use and practise within the said realmes and d̄nions the refining and working of all mineralls and mettals, making and burning of bricks, tyles, lymestone, chalke, and other terrestriall and lapideous materialls, after his newe invented order, and to make declarac̄on and descripc̄on of the said invenc̄ons and benefitts thereof—paying therefore yearely into His Ma^ty's^ excheq^r^ x^li^; with the ordinary proviso that if this act shal be p̄iudiciall to be made voide; and with a further proviso that the patentee or his assignes shall not use or putt in practise the said making and burning of bricks and tyles within 20 myles of London. Teste apud Westm^r^, sexto die November, anno p̄d. p br̄e &c.

MANBY.
LIDELL.
26th Nov. 1637.

111. A sp̄iall priviledge graunted to GEORGE MANBY and THOMAS LIDELL, and their assignes, for the terme of xiiij yeares next ensuing, to practise and putt in use within England, Ireland, and Wales the sole makinge, tryminge,

selling, and putting out to hire of a new forme of mills for the grindinge of corne, &c, not formerly used in this kingdome, whereof the said George Manby is the true inventor—paying therefore yearely into the exchequr xiij^{li} vj^{s} viij^{d}; prohibiting all others to doe the like; with the ordinary proviso to make this grant voide in case it shal be found ꝑiudiciall. Teste apud Westmr, xxvj^{o} Novembr̃, anno ꝑd. p br̃e &c.

JACKSON. 7th Dec. 1637.

112. A sꝑiall priviledge graunted to JOSEPH JACKSON, for 14 yeares, to use and ex̃cise within England and Wales the sole making, casting, and guilding of all sortes of leaden seales, after a way by him invented, nowe used by the newe draps within the same kingdome and ꝺnion—paying yearely into His Ma$^{t's}$ exchequer vj^{li}; provided that if he shall sell the said seales at greater prices than the same have been formerly sould at, or if it shall appeare that this gr^{t} shall be ꝑiudiciall to the comonwealth, then the same to be voide. Teste apud Westmr, vij^{o} Decembr̃, a^{o} ꝑd. p br̃e &c.

VERNATT. WHITMORE. 12th Dec. 1637.

113. A sꝑiall priviledge graunted to Sir FILIBERT VERNATT, knight and baronett, and Capten THOMAS WHITMORE, for the terme of xiiij^{en} yeares, to use and exercise in England, Ireland, and Wales a ☾ten newe invenc̃on, by them found out, for the makinge of good and ꝟchantable tough iron and of colshire iron, according to the nature of the myne, with seacoale or peate, and with the expence of not above one fift parte of the quantety of charcoale nowe usually spent by others. Teste apud Westmr, xij^{o} Decembr̃, anno ꝑd. p br̃e &c.

LLOYD. BURGES. BARBAR. 14th Dec. 1637.

114. A sꝑiall priviledge graunted to OLIVER LLOYD, MATHIAS BURGES, and THOMAS BARBAR, for the terme of xiiij yeares, to use and ex̃cise within any His Ma$^{t's}$ realmes and dm̃ons (according to their owne way and invenc̃on) the sole making, venting, and using an engine and invenc̃on for turning, workinge, and drawinge all kinds of mills or quernes for grinding of all sorts of grayne and seede, and for all fulling and pap mills, and mills for drawing up of water, or other mills whatsoever, and alsoe for all kinde of carriadges and wheel workes that are drawne, moved, or turned by winde, water, man, or beast—payinge yearely into the exchequr one full fifte parte of all the profitt that shall arise thereby; and they are to accompt upon oath; with the ordinary proviso to make this gr^{t} voide in case it shall be found ꝑiudiciall. Teste apud Westmr, xiiij Decembris, a^{o} ꝑd. p br̃e &c.

WORSLEY. 15th Feb. 1638.

115. A sꝑiall priviledge graunted to OTNELL WORSLEY and his assignes, for 14 yeares, to use and practise within England and Wales a newe waye of setting and planting of carrett roots and carrett seeds, by him devised and found out, by taking the roote itselfe out of the ground as soone as it comes to some ripenes and then by planting of it againe—paying therefore yearely into the exchequr xx^{li}; with the ordinary proviso to make this graunt voide in case it shal be found ꝑiudiciall. Teste apud Westmr, xv^{o} Febr̃, anno ꝑd. p br̃e &c.

WATKINS. BAUGH. 6th April 1638.

116. A sꝑiall priviledge graunted to WILLIAM WATKINS and ROWLAND BAUGH, gent., and their assignes, for the terme of 14 yeares, to use and exercise within England and Wales, according to their own invenc̃on, the sole burning of tyles with seacoales for their best pfitt and advantage—paying yearely into the exchequr 3^{li} 6^{s} 8^{d}; with the ordinary proviso yf this graunt shall appeare to be ꝑiudiciall it shal be voyd. Teste vj^{o} die Aprilis, a^{o} xiiij. p br̃e &c.

HORSEY.
RAMSEY.
FOULKE.
DUDLEY.
2nd May 1638.

117. A sp̃iall priviledge graunted to S^r GEORGE HORSEY, knight, DAVID RAMSEY, ROGER FOULKE, and DUDD DUDLEY, esq^s, for the terme of xiiij yeares, to use and exercise within England and Wales, according to their own way and invenc̃on, the sole makeing of iron into any sort of castworkes with sea or pittcoales, peate, or turffe, and with the same to make the said iron into plate-workes or barres, and likewise to refyne all sorts of mettalls at their pleasures for their best benefitt—payeing therefore yearely into His Ma^ts excheq^r a rent of 100 marks at Mich̃as and o^r Lady day; the first payment to beginn att Mich̃as 1640. And His Ma^tie doth hereby further graunt unto the patentees and their assignes, for the term of xxj yeares, free lycence and priviledge to digg open, search, and worke, washe, roast, and stampe and melt all manner of mynes or oares of gould, silver, copper, lead, houlding silver or mixed with silver, or quicksilver within England or Wales or any part thereof; and for that purpose to drayne and convey waters out of or to the said mynes for the better workeing and drayneing of the mynes and pitts and washing of the same; and to trye out and convert the said oares into copper, lead, or into any mettalls whatsoever, and to refyne and extract the silver or gould therein conteyned; and to sett up any houses, mills, and workes for the use and service of the said mynes and minerall workes as were within His Ma^ts owne lands or any the lands of his subiects within the said kingdome and dominion; soe that the patentees or their assignes shall not by collo^r hereof search, or digg open, or worke for the said mines or oares within any the said lands without the good will and consent of His Ma^ty and such his subiects as have power to lycence them soe to doe; excepting out of these p̃sents all mynes formerly graunted to any psons whatsoever—payeing therefore yearely, after the two first yeares of the said terme, a full tenth part of all such silver and gould as shal be gotten out of the said mynes, to be yearely accompted for upon oathe before one of the barons of the excheq^r; with power to take up and hire at reasonable prices and wages all manner of artificers, laborers, and workmen, and all manner of corne, victualls, timber, wool, fewell, horses, oxen, carts, tooles, with all necessaries for the same workes, payeing reasonably for the same; and upon any differences for the prices thereof the same to be determined by foure indifferent men of the county, whereof two to be chosen by the patentees and the other two by the owners; and in case the said foure men cannot agree, then the matter to be brought before His Ma^ty or his Privy Councell to be heard and determined; and soe likewise for any lands aforesaid wherein any the said mynes shall be digged or searched for; with the ordinary proviso to make this graunt voyd in case it shal be p̃iudiciall to the com̃onwealth. Teste sc̃do die Maii, anno pred̃. p bf̃e, &c.

HUNT.
17th July 1638.

118. A sp̃iall priviledge graunted to CHRISTOPHER HUNT and his assignes, for 14 yeares, to exercise and putt in use, within the kingdomes of England and Ireland, the sole way of imbroidering or huffling of guilded leather upon severall grounds, fitt for hangings or other furniture for houses, according to his owne waye and invenc̃on—paying therefore yearely into His Ma^ts exchequer v^li; with a proviso to make his graunt voyd in case it shal be found inconvenient. Teste apud Cañbury, xvij^o Julii, anno pred̃.
p bf̃e, &c.

WAGONER.
18th July 1638.

119. A sp̃iall priviledge graunted to FREDERICKE WAGONER, doctor of phisicke, born beyond the seas in the province of Zeland, and his assignes, for 14 yeares, to use and practize a newe invenc̃on, by him found out, for smelting of lead oare w^thin England and Wales—payeing yearely into His Ma^ts exchequer x^li; with the proviso as aforesaid. Teste apud Cañbury, xviij Julii, anno prædict̃. p bf̃e, &c.

JEROME.
WEBB.
20th Oct. 1638.

120. A sp̃iall priviledge graunted to SARA JEROME, widd̃, and her assignes, shewing that whereas His Ma^ty 31^st Octob̃ a^o regni xj^o did by his f̃res patent

graunte to the said Sara Jerome (and at her request), to William Webb, and their assignes, sole licence and power, for the terme of 14 yeares, to make and exercise an engine, devised and found out, for the cutting of tymber into thynne peeĉs, called scales, for the making of bandboxes, scaberds of swords, and other like uses, His Ma^ty, upon the humble petiĉon of the patentee and upon surrender of the said ῖres patents, doth hereby graunt unto her and her assignes, duringe the residue of the said terme, sole licence and power to make and use the said engine soe devised and found out as aforesaid; with a comaundement that noe other pson or psons shall make or use within England and Wales the said engine—paying therefore yearely into His Ma^t's exchequ^r 20^s during the residue of the said terme; with the ordinary proviso that this graunt shal be voide in case it be found p̄iudiciall. Teste apud Westm^r, 20 Octob^r̄, a^o p̄d. p bῖe, &c.

Billingsley. 10th Dec. 1638.

121. A sp̄iall priviledge graunted to William Billingsley and his assignes, for xiiij yeares next ensuing, to use and ex̄cise w^thin England and Wales the sole printing or stamping of cabbinetts, bedsteeds, playing tables, and other things w^th liquid gold and silver, after a newe way by him invented; w^th a prohibiĉon—rendring to the Crowne yearely l^s; w^th the ordinary provisoe, &c. Teste x^o Decembr̄ p̄d. p bῖe, &c.

Spencer. 11th Dec. 1638.

122. A sp̄iall priviledge graunted to Arnold Spencer, gent., and his ass^s, for 21 yeares, to devise, make, direct, pfect, ex̄cise, and practize in all places convenient in England and Wales and towne of Berwick, as well the cutting, contriving, framing, erecting, and pfecting of all manner of locks, sluces, bridges, cutts, dames, and other things not repugnant to the lawes and statuts of this kingdome for making of rivers and streames navigable, whereof he or they are or shall be the first invento^rs; w^th power to receive and collect to his own use all profitts w^ch shall arise by any vessell w^ch shall passe upon any the said rivers soe made navigable; provided that he shall not take any greater rate upon the tonne than is to be paid and was formerly graunted by His late Ma^ty to the aldermen and burgesses of Stamford for boats and vessells passing from the sea to the said towne—paying yearely into the exchequ^r for every of the said rivers 5^li; w^th a gr^t to the patentee and his assignes as well of all the benefitt w^ch he or they have received or shall receive by any the said rivers, as also all such benefitt as shall accrewe hereafter by any of the said rivers to be made navigable; to have and to hould all the benefitts of the said rivers, to be made navigable w^thin the terme of 21 yeares, to him and his assignes from the expiraĉon of the said terme of 21 years duringe and untill the end and terme of 80^ty yeares from thence next ensuing—paying yearely to the Crowne for every such river, to be made navigable during 21 yeares, during the said term of 80^ty yeares the severall yearely rents of 5^li a peece into the exchequ^r; provided that this graunt shall not hinder or p̄iudice any psons for making of rivers navigable w̄ch the patentee or his ass^s are not in hand w^thall at the time of such attempt. Teste xj^o Decembr̄, a^o p̄d. p bῖe, &c.

Ladore. 3rd April 1639.

123. A sp̄iall priviledge graunted to Peter Ladore and his assignes, for the terme of 14 yeares next ensuing, to ex̄cise and practise within England and Wales the arte and way, by him invented, of glossing plaine and figured sattins made within this realme, and likewise of glossing and refreshing such plaine and figured sattins made beyond the seas and imported as shall take wett in the way; w^th a proviso to make this grante voide in case it shall be found inconvenient. Teste apud Westm^r, tercio die Aprilis, anno p̄d. p bῖe, &c.

BURGES. BARBER. WILKINSON. 8th February 1640.

124. A spiall priviledge graunted to MATHIAS BURGES, THOMAS BARBER, and SMITH WILKINSON, and their assignes, for the terme of xiiii^{en} yeares next ensuing, to use and exercise (within England, Ireland, and Wales) the free and sole making of candles, taps, links, and torches wth oyle and other things after ꝺteine new waies and meanes by them or any of them found out and invented to the great benefitt of His Ma$^{t's}$ subiects—paying therefore yearly into His Ma$^{t's}$ excheq^{r} a rent of 20^{s}; with the ordinary proviso that if at any tyme it shall appeare to His Ma^{ty} or His Highnes Privie Councell this gr^{t} to be inconvenient or ꝑiudiciall to the comonwealth, then, upon significac̃on thereof under His Ma$^{t's}$ signett or privy seale, or by any sixe of His Ma$^{t's}$ Privy Counsell under their hands, this gr^{t} to be void. Teste apud West^{r}, viij Febr̃, a^{o} ꝑd. p br̃e, &c.

CHIVER. 12th March 1640.

125. A spiall priviledge graunted to ROBERT CHIVER, gent., and his assignes, for the terme of 14 yeares, from the 17th of May a^{o} 13 Car̃ R^{s}, to use and exercise (within England, Ireland, and Wales) ꝺteine newe waies and invenc̃ons, by him found out, for the better improvem^{t} of lands and course of husbandrie then hath bin formerly practised wthin any His Ma$^{t's}$ kingdoms, by raysing of water by severall hatches, bayes, engines, wheeles, milles, pumps, and other instruments, and by altering the nature and supficies of some grounds, and by enlarging of rivers, and by drayning and raysing of lowe, wett, fenny, and marshe grounds, and divers other meanes herein menc̃oned, wth ꝺteine other invenc̃ons herein alsoe exꝑssed—yeilding and paying yearly into His Ma$^{t's}$ excheq^{r} during the said terme one moyetie of the yearly benefitt w^{ch} he shall raise or make by meanes of the use or practice of the said invenc̃ons; with the ordinary provisoe to make this gr^{t} void in case it be found contrary to the lawe or mischevous or inconvenient to the state. The patentee had a former priviledge of the said invenc̃ons, which he hath surrendred and is nowe renewed, wth some addic̃ons and enlargem^{ts} for the better pforming of his said invenc̃ons. Teste xij^{mo} Marcii, a^{o} xv^{to} Car̃ R^{s}. p br̃e, &c.

FORD. 14th March 1640.

126. A spiall priviledge graunted to EDWARD FORD, esq^{re}, for the terme of xiiij yeares next ensuing, wthin England and Wales, to use and practise newe waies, never before found out or used by any but the patentee, for the speedy passage and navigac̃on of boats, lighters, and other vessells upon navigable rivers or the sea—paying therefore yearely during the said terme 5^{li}. Teste xiiij^{o} March, a^{o} ꝑd. p br̃e, &c.

WHEELER. CRUPLEY. 24th June 1642.

127. A spiall priviledge graunted to WILL^{m} WHEELER & JOHN CRUPLEY, gent., (for 14 yeares next ensuinge) for the sole makinge & usinge of seVall newe invenc̃ons, found out by the said Willm Wheeler, for the raysinge of water to great heights, to boare tymber wth a wooden auger faster & bigger then wth one of iron, to put pyles in the ground wthout dryveinge, and to raise ponderous weights wthin England and Wales—payinge therefore yearely duringe the said terme a rent of v^{li}; with a proviso y^{t} if this gr^{t} shall hereafter appeare to be contrary to lawe or mischeivous or inconvenient to the state, then this gr^{t} to be voide. Teste R̃ apud Eboř, xxviij^{o} die Junii, anno sui xviij^{o}.
p iꝑm Regem.

TOMLYN. 5th February 1660.

128. A spiall licence granted to GEORGE TOMLYN, stac̃oner, for the sole use and exercise of a new manufacture or way to text and flourish in velams & parchment in black & white, for the terme of 14 yeares, according to the statute in that behalf made & provided, the same being his owne invenc̃on; wth such restric̃ons, provisoes, & clauses as are usuall in grants of like nature. Teste apud Westm^{r}, v^{d} die Februarii, anno prædicto. By the King.

FRANKE. 13th July 1660.

129. A licence granted to Serjeant Major THORNEY FRANKE to exercise his new invention of hanging and setting of brewing furnaces & all other boyling

furnances whatsoever for melting down all manner of mettals out of theyre ores, for 14 yeares according to the stat—paying ye tenth part of the profitts into His Maties exchequr of England and Ireland after the three first yeares; with proviso to be voyd if it shall be found inconvenient and not new or not of publiqꝫ use. Teste apud Westmr, 13o Julii, 13o Car̃ 2di.

By writt of privy seal.

HOWARD. 27th Oct. 1660.

130. A speciall licence graunted to CHARLES HOWARD, esqre, 4th sonne to Henry late Earle of Arrundell & Surrey, his executors and assignes, for the sole exercise of a new way, by him found out, for the tanning, tawing, dressing, & prepareing all sorts of rawe hides & skins into leather in less time & with less charge then formerly hath bin used; to hold ye same for 14 yeares according to the statute. Teste Rex apud Westr, 27o Octobr̃, anno p̃d.

By writt, &c.

WORCESTER. 8th February 1661.

131. A speciall lycence graunted unto the Right Honoble EDWARD MARQUESSE of WORCESTER, his executors, administrators, & assignes, for the space of 14 yeares, to use, exercise, and enioy his severall new invenc̃ons by him invented: that is to say, an invenc̃on to make a watch or clocke without spring or chayne or any other kind of windage upp, but of necessity must follow if the owner or keeper of the said watch or clocke will know the hour of the day or night, and yet if he lay it aside severall days & weeks without looking or medling with it shall go very well and as iustly as most watches that ever were made; (and also an invenc̃on to make certeyne guns or pistolls within the tenth parte of one minute of an houre, with a flaske contrived to that purpose;) alsoe to make an engine applyable to any coach by which a child of six yeares old may secure from danger all in the coach and the coachman himselfe, though the horses become never soe unruly, the child being able in the twinkling of an eye to loosen them from the coach in what pasture soever they draw or turne, be it never soe short or to either hand; and also an invenc̃on to make a boate that roweth or letteth even against wind and streame to any parte of the compasse, which way soever the streame runs or wind blows, and yet the force of the wynd or streame causeth its motion, nothing being required but a steersman, and whilst the boate stayeth to be loaded or unloaded the streame or wind shall pforme such work as any watermill or windmill is capable of; with severall provisoes that if the said invenc̃ons be not new or contrary to law, or not formerly graunted to other persons, that then the said graunt to be void. Teste Rex apud Westmr, 8o Februarii, 14o Car̃ 2die. By writt of privy seale.

TOOGOOD. HAYES. 16th May 1661.

132. A speciall lycence graunted unto THOMAS TOOGOOD, gent., & JAMES HAYES, esqre, their executors, administrators, and assignes, for the sole use of an invenc̃on, by them contrived & perfected, of forceing water by bellowes not done with wind, as also the drawing it up with leatherne baggs linked together in manner of bucketts, where the bellowes cannot be placed together, with a particuler way of forceing water through the bottome or side of the shipps below the surface or topp of the water, being for the publique benefitt of shipping, drayning of mynes, bringing water to houses, emptying of rivers or ponds, drayning and watering of grounds, and which may be of singular use and ease in navigac̃on, for the terme of 14 yeares according to the statute. Teste Rex apud Westmr, 16 Maii, 14 Car̃ 2di. By writt of privy seale.

BURNBY. 31st Oct. 1661.

133. A speciall lycence graunted unto EUSTACE BURNBY, gent., & his executors, for the terme of 14 yeares, to use his new invenc̃on, by him invented and found out, for the making & p̃pareing of barley of the growth of His Matis kingdome, according to the arte & manner of that sort of barley

comonly called by the name of French barley & pease barley, to use, imploy, & enioy the said invencon throughout His Ma^tie's realmes of England, Scotland, & Ireland, and y^e dominion of Wales, & on all other His Ma^tie's countries & dominions; w^th severall other powers, priviledges, & provisos as are usuall in graunts of the like nature. Teste R apud Westm^r, 31 Octobris, 14° Car 2^di. By writt of privy seale.

CLIFFORD. PAULDEN. 10th Nov. 1661.

134. A speciall lycence graunted unto MARTIN CLIFFORD and THOMAS PAULDEN, esq^rs, for the terme of 14 yeares, for the using their new invencon, by them found out, for making of christall glasse w^thin His Ma^tie's realmes, as good if not better than any comes from Venice, which will tend to a generall good in regard the same as a new manufacture not formerly used or practised in this nation, with power to use and exercise the said invencon in & throughout His Ma^tie's realmes of England, Scotland, & Ireland, dominion of Wales, and all other His Ma^tie's dominions; with divers priviledges & provisoes therein conteyned according to gr^ts of like nature. Teste R apud Westm^r, 10 die Novemb, 14 Car 2^do. By writt of privy seale.

WAYNE. 19th March 1662.

135. A speciall lycence graunted unto RALPH WAYNE, gent., for the terme of fourteen yeares, who, through his great charge, labor, & industry, hath attained the knowledge of an engine which, with the perpetuall motion of itselfe, without helpe or strength of any person or creature, will not only drayne greate levells of vast quantities of water, but also mynes of fifty fathoms deepe or more; which said invencon His Ma^tie doth give leave, priviledge, lycence, & power unto the said Ralph Wayne and his assignes, for the sole use of him & his assignes, to use, practise, teach, & exercise the said engine or invencon for the said terme of fourteene years from the date hereof, within His Ma^ty's kingdomes of England, Scotland, & Ireland, & the dominions and territories thereunto belonging—rendring unto His Ma^tie the yearly rent of 4^li, payable into His Ma^tie's excheq^r by half yearly pay^m'ts; with such powers, priviledges, & provisoes as are usuall in graunts of like nature. Teste R apud Westm^r, 19 Martii, 15 Car 2^di. per bre de privato sigillo.

WEMIS. 24th March 1662.

136. A graunt unto JAMES WEMIS, master gunner of England, to use his new invencon, by him invented & found out, a new way of making light ordnance shooting from a quarter of a pound bullet to a penny canon, and also hath found out a way whereby all mocons caused by the force of a river, wind, or horses may be done by the strength of one or two men; to hold to the said James Wemis the father and James Wemis the sonne, for the terme of fourteen yeares from the day of the date hereof, and to use the same within all His Ma^tie's dominions; with such powers, priviledges, and provisoes as are usuall in graunts of like nature. Teste apud Westm, 24° Martii, 15 Car 2^di. By writt of privy seale.

TOMLYN. 28th March 1662.

137. A speciall lycence graunted unto GEORGE TOMLYN, his executo^rs, administrators, and assignes, for the terme of twelve yeares from the day of the date hereof, being the remaynder of 14 yeares formerly graunted by His Ma^tie to the said George Tomlyn, which the said George Tomlyn hath surrendered to His Ma^tie, for the sole printing with a rolling printing presse and engraven plates upon velum & parchm^t of the name & tytle of His Ma^tie, his heires & successo^rs, & also of his royal consort the Queene, with the imperial armes & badges & every of them, with all pfitts & advant^s thereunto belonging—paying into His Ma^tie's exchequer 12 nobles p annū dureing the said terme. Teste apud Westm^r, 28 Martii, 15 Car 2^di. By writt of privy seale.

COLLADON. MERCHANT. 2nd May 1662.

138. A speciall lycence graunted unto JOHN COLLADON, doctor in phisick, & ALEXANDER MERCHANT, of St. Michaell, their executors & assignes, for 14 yeares according to the statute, to use a new invencon, by them found out, to prevent & cure the smoaking of chimneys, either by stopping the tunnell toward the topp and altering the former course of the smoake or by setting tunnells with checks within the chimneys. Teste R apud Westm^r. 2° Maii, 15 Car 2^di. By writt of privy seale.

TOOGOOD. HAYES. August 1662.

139. A speciall lycence for 14 yeares graunted to THOMAS TOOGOOD, gent., and JAMES HAYES, esq^re, their executors, administrators, & assignes, for the sole use, exercise, and benefitt, in all His Ma^tie's dominions of severall new invencons, by them found out, for the making of shipps to saile without the assistance of wynd or tyde; and also a certeyne instrum^t for takeing of the way or course of any shipp with demonstrable exactnes; and also a new invencon for the raising of water with springes, which may be of singular use for the draining of mynes; with the usuall provisoes. Teste R apud Westm^r, Augusti, 15 Car 2^di. By writt of privy seale.

TILSON. 19th Oct. 1662.

140. A speciall lycence graunted unto THOMAS TILSON, merchant, to use his new invencon, by him found out, for making of christall glasses & looking glasse plates of all sorts of glasse whatsoever (windowe glasse for churches & houses only excepted), to exercise & enjoy the said invencon by him, his executo^rs, adm^rs, & assignes, for the space of 14 yeares, in & throughout His Ma^tie's realmes of England, Scotland, & Ireland, & dominion of Wales, & in and throughout all & singular other His Ma^tie's dominions & countreys, and every or any of them; with such provisoes & non obstantes as are usual in graunts of like nature. Teste R apud Westm^r, 19 Octob^r, 15 Car 2^di. By writt of privy seale.

WILLOUGHBY. HYDE. DE MEURATO. 4th Feb. 1663.

141. His Ma^tie haveing been informed by FRANCIS LORD WILLOUGHBY & LAWRENCE HYDE, esq^r, that one DAVIE DE MEURATO hath found a new way of makeing & frameing of sugar mills, is graciously pleased, att the desire of the said David Meurato, to graunt the sole exercise and benefitt thereof unto the said Francis Lord Willoughby and Lawrence Hyde, and their assignes, for the terme of 21 yeares; with such provisoes, powers, & clauses as are usuall in graunts of like nature. Teste R apud Westm^r, 4° Febr, 16 Car 2^di. By the King.

TOGOOD. 2nd Dec. 1663.

142. A speciall lycence graunted to THOMAS TOGOOD, gent., his executors, administrators, & assignes, for the terme of 14 yeares, to use his invencon & engine made of ropes or chaynes in w^ch crosse staves are fixed, upon w^ch staves are placed certain instruments w^ch by the advantage or benefitt of valves will emitt ayre and yett retaine water, whereby water out of mynes & pitts may be drayned; and hath also found out a way for exhaleing or drayning forth water in pypes without the helpe or benefitt of suckers or bucketts; to have, hold, & exercise the aforesaid engines within His Ma^tie's dominions of England, Scotland, and Ireland, & the islands thereunto belonging, from the day of the date of these p^sents unto the end of the aforesaid terme of 14 yeares; with such provisoes & non obstantes as are usual in graunts of like nature. Teste R apud Westm^r, 2° Decembris, 16° Caroli s^cdi. p b^re, &^c.

HILL. 3rd March 1664.

143. A lycence for 14 yeares graunted to ABRAHAM HILL, esq^r, one of the fellows of the Royall Society, London, his executors, administrators, and assignes, to have the sole use and benefitt of the invencons by him and his assistants found out, as follows, (viz^t) severall sorts of carriages, chares, coaches, or chariotts, by him and them invented, with two or four wheeles, made up with rollers, cranes, and springs; another invencon for gunns and pistols, with several devices for the speedier and more effectual discharge;

also a newe kinde of powder horne; and a newe instrum^t^ for breaking and dressing of hemp and flax, and watering all sorts of lynnen; and a new pendulum for exact measureinge of tyme and finding out the longitude, to bee used at sea; with such clauses as are usuall in grants of like nature. Teste R̃ apud Westm^r^, 3^tii^ Martii, anno p̃d. p bre de privato sigillo.

PITTS. 17th April 1664.

144. A sp̃iall lycence graunted unto NICHOLAS PITTS, esquire, his executors, administrators, and assignes, for the term of fourteene yeares, to use his invenc̃on for the making of salt by prepareing brine of sea water, without the helpe or assistance of the sunn, and bay salt; which brine is made in great quantityes in little time by vertue of an artifyciall furnace or instrument, whereby is conveyed into a very large cisterne of sea water, the thinner pts thereof are caused to evaporate by the said heate; of which brine a strong salt is now made, but likewise of a bigger kerne or graine, and great quantityes made as well in winter as summer; with the usual proviso that it bee not inconvenient or prejudiciall to the comon wealth. Teste R̃ apud Westm^r^, 17° die Apr̃il, 17° Car̃ 2^di^.

By writt of privy seale.

HENSHAW. WATSON. HALE. DEWEY. 22nd April 1664.

145. A sp̃iall licence graunted to THOMAS HENSHAW, FRANCIS WATSON, THOMAS HALE, and JAMES DEWEY, gent., to hold to them, their executors, administrators, and assigns, for the terme of 14 yeares, for the sole use of a certain stone or minerall found out by them, by mixeing therewith chargeable ingredients to make a valuable mettall for divers sorts of vessells, &^c^, which may be verry usefull to His Mãtie's subjects, being sweete, cleane, and as wholesome as silver, and doth not intrench upon any person's right; with usuall provisoes as in graunts of like nature. Teste R̃ apud Westm^r^, 22^do^ Aprilis, 17 Car̃ 2^di^. By writt of privy seale.

HUTCHINSON. 20th July 1664.

146. A specialll ycence graunted unto SAMMUELL HUTCHINSON, of London, merchant, his executors, administrators, and assignes, for the term of 14 years according to the statute, to use his new invenc̃on for the makeing and frameing boyleing vessells for salt workes and other uses, and of potts for the melteing of glasse mettall and other mettalls, and the ordering and saveing of fire and fewell in the said workes in a less chargeable way than any heretofore hath bene done; and also a new way of makeing pott ashes with tobacco stalks, brome stalkes, and other vegitables, with the art of joyneing and mixeing the volative spirritts with the fixed in the same; and likewise the true and right way of ordering and mixeing the materialls for the makeing of the said salts firme and lasting, for the melteing downe of glasse mettals; with the usuall proviso. Teste R̃ apud Westm^r^, 20^mo^ Julii, 17^mo^ Car̃ 2^di^. By writt of privy seale.

HILDEYERDE. 16th Feb. 1665.

147. A speciall lycence graunted unto CHARLES HILDEYERDE, esq^r^, for the terme of 14 yeares, for the use and exercise of his new invenc̃on found out by him for the making blew paper used by sugar bakers and others to bee exercised within England and Wales; with such provisoes and non obstantes as are usuall in grants of like nature. Teste R̃ apud Westm^r^, 16° Feb̃, 18^vo^ Car̃ 2^di^. By writt of privy seall.

KEARESBY. STRICKLAND. 20th Nov. 1665.

148. A graunt unto S^r^ JOHN KEARESBY, baronet, and S^r^ THOMAS STRICKLAND, kn^t^, their executors and assignes, of the sole power and priviledge of making steele within the kingdome of England and dominion of Wales, for 14 years (it being their owne invention and not formerly in use), according to the statute in this behalfe made and provided; with a prohibic̃on to others, and with such other clauses and non obstantes as are usuall in grants of like nature. Teste R̃ apud Westm^r^, 20^mo^ die Novembris, 18^vo^ Car̃ 2^di^.

By y^e^ King.

SMETHWICK. 14th May 1666.

149. A speciall lycence granted to FRANCIS SMETHWICK, for the terme of 14 yeares, for the use and exercise of his new invencon to grind optick glasses in figures which are not sphericall, in the kingdome of England and dominion of Wales; with such provisoes and non obstantes as are usuall in grants of like nature. Teste R̃ apud Westm̃, 14to Maii, anno p̃d.
By writt, &c.

BAYLIE. 16th May 1666.

150. A grant unto LEWIS BAYLIE, gent., of the benefit of his new invented machine or engine for the expeditious cutting, digging, or making navigable rivers, draynes, lines, or trenches, or for cleansing rivers obstructed in their currents, for the terme of 14 yeares, according to the statutes in that behalf made; with such provisoes and clauses as are usual in grants of like nature. Teste R̃ apud Wr̃, 16 Maij, anno p̃d. By the Kinge.

MORLAND. 13th Jan. 1667.

151. A lycence unto Sir SAMUELL MORLAND and others of the sole use of their way of makeing fire hearths of cast iron, brasse, or copper (being their owne invencon and never before used in England); to hold to them and their assignes, for 14 yeares, according to the statute in that behalfe made; with such clauses and provisions as are usuall in grants of like nature. Teste R̃ apud Westmr, 13mo Jañ p̃d. per bre, &c.

CALTHORP. 19th Feb. 1667.

152. A grant unto RICHARD CALTHORP, gentl, of the sole use and benefit of an engine, by him invented, for the workeing, saweing, and pollishing of marble (being his owne invencon and never before used in England); to hold to him and his assignes, for 14 yeares, according to the statute in that behalfe made; with such covenants and provisoes as are usual in grants of like nature. Teste R̃ apud Westmr, 19th Febrij, anno p̃d. per bre de, &c.

LEIGHTON. 3rd July 1667.

153. A speciall lycence to Sir ELLIS LEIGHTON, his executors, administrators, and assignes, to use his new invencon or engine, which being disposed of in coaches, chariotts, waggons, and such like, will facilitate soe their mocon that it will extreamly save the labour both of men and horses, for the space of foureteene yeares, according to the statute in that case made, (being his own invencon) and never before used in England; with such clauses as are usuall in grants of lik' nature. Teste 3tio Julii, anno p̃d. By writt.

HOWARD. WATSON. 8th October 1667.

154. A speciall lycence unto Sir PHILLIP HOWARD, knight, and FRANCIS WATSON, esqre, their executors, administrators, and assignes, to use their new invencon of graveing, garnishing, and colouring of shipps and other vessells, for the terme of 14 yeares, according to the statute in that case made, being their owne invencon and never before used in England; with such clauses and non obstantes as are usuall in grants of like nature. Teste R̃ apud Westmr, octavo die Octobris, anno p̃d. By writt, &c.

BURNEBY. 24th Dec. 1667.

155. A speciall lycence unto EUSTACE BURNEBY, gentl, his executors, administrators, and assignes, to use his new invencon of p̃pareinge steele hempe, for the space of 14 yeares, accordinge to the statute (it beinge his owne invencon and never before used in England); wth such clauses as are usuall in grants of like nature. Teste R̃ apud Westmr, 24oe Decembr̃, 20 regni sui.
By writt of p. s.

UNDERHILL. UNDERHILL. WALTON. 5th February 1668.

156. A speciall lycence to WALTER UNDERHILL, the elder, WALTER UNDERHILL, the younger, and SAMUELL WALTON, purveyor of fresh fish to His Matie's household, their executors, administrators, and assigns, to use their new way of bringeing salmon alive and well condicioned from Newcastle, Berwick, and other partes to London, Middx, &c, it being there owne invencon and never before practised in England; to hold for 14 years according to the statute; and with clauses and provisions usuall in grants of like nature. Teste R̃ apud Westmr, 5to die Febb, ann̄ p̃dict̄. By writ of p. s.

CHAMBERLAINE. 18th Feb. 1568.

157. A speciall lycence graunted to PETER CHAMBERLAINE, dr in physick, his executors, administrators, and assignes, of the sole power and previledge of makinge severall sorts of vessells, fabricks small and greate, to naviggate in a streight line with all winds though contrary, it being his own invenc̃on and never before used in England, &c; to hold for 14 yeares accordinge to the statute; with such clauses and non obstantes as are usual in grants of like nature. Teste 18vo Feb, anno p̃dict̃. By writt, &c.

HOWARD. WALLSON. 2nd March 1668.

158. A speciall lycence graunted to Sr PHILIP HOWARD, knt, and FRANCIS WALLSON, esqre, their executors, administrators, and assignes, of the sole power and priviledge of graveinge, garnishing, and colouringe of shipps, barges, wherryes, and other vessells, and also for the garnishinge, colouringe, and varnishinge of wood, iron, stone, plaister, and other things by a lyquor drawne from certain graine groweing within this kingdome of England and some other ingredients, it beinge theire owne invenc̃on and never before used in England; to hold for 14 yeares according to the statute; with a prohibition to others, and with clauses and non obstantes usual in grants of like nature. Teste R̃ apud Westmr, 2do die Marcii, anno p̃dco. By writt, &c.

BURNEBY. 3rd February 1670.

159. A speciall lycence granted to EUSTACE BURNEBY, gentl̃, for the terme of 14 yeares, to use the art and mistery of husbanding, ordering, and p̃pareing rice and safflower within the kingdome of England and Wales, according to the statute in that case provided—rendering therefore the rent of 13s and 4d by the yeare, and payable halfe yearely; with such provisoes as are usuall in grants of like nature. Teste R̃ apud Westmr, 3tio die Februi, anno p̃d. By writt, &c.

SMITH. 22nd Sept. 1670.

160. A grant and lycence to JAMES SMITH, marchant, his executors, administrators, and assignes, to use and exercise his new invenc̃on of planting & making of madder within any convenient place within the kingdome of England and dominion of Wales, for the terme of 14 yeares, according to the statute in that case provided; with clauses and non obstantes usual in grants of like nature. Teste R̃ apud Westmr, 22 die Sept̃, año p̃d. By writt.

PRINCE RUPERT. 1st Dec. 1670.

161. A speciall lycence graunted unto his Highnes PRINCE RUPERT, his executors, admrs, and assignes, to use his new invenc̃ons of converting into steele all manner of edged tooles, files, and other instruments forged and formed in soft iron, or any part of the said tooles, files, and other instruments, after they are set, forged, and framed, as also all mañer of iron wyre after it is drawne, and of prepareing and softning all cast and melted iron, soe that it may be filed and wrought as forged iron is, and of tinctureing of copper upon iron; to hold for 14 yeares according to the statute in this case made and provided—rendering to His Maty the yearly rent of 20s; with such clauses and non obstantes as are usuall in patents of this nature. Teste R̃ apud Westmr, 1mo die Debris, anno p̃d. By writt, &c.

PRINCE RUPERT. LORD ASHLEY. CHIKLEY. 8th January 1671.

162. Whereas His Majy was lately pleased to grant unto his Highnes PRINCE RUPERT the sole liberty of useing his new invenc̃ons for converting into steele all mañer of edge tooles, files, and other instruments forged and formed in soft iron, or any part of the said tooles, files, and other instruments, so forged and formed, and alsoe for the converting all mañer of iron wyre after it is drawne, &c, for the terme of 14 yeares from the sixth day of May last, His Majy doth hereby authorize and impower his said Highnes Prince Rupert, Anthony Lord Ashley, and Sr Thomas Chickley not only to take security, but alsoe to adm̃ister an oath to the severall workmen, artificers, and persons concerned in the said arts and invenc̃ons, neither directly nor indi-

rectly to divulge or make known to any pson or persons whatsoever, except His Majᵞ, his heirs or successors, the said arts or invenc̃ons, or any of them, or how they are used or ex̃cised, or with what instrumᵗˢ or materialls the same are made and wrought. Teste R̃ apud Westmʳ, 8ᵛᵒ Jañ, anno p̃d.
By writt, &ᶜ.

Custis. 16th March 1671.

163. A grant and lycence to Edmund Custis the elder, his executoʳˢ, administrators, and assignes, to use and exercise his new invenc̃on for the discovery and takening out of wrecks and shipps that have been or may hereafter happen to be sunke in the sea within, upon, att, or near any part of our dominions, all goods, treasures, merchandiges, gunns, and shipps furniture, for the terme of 14 yeares according to the statute in that case provided; wᵗʰ clauses and non obstantes usuall in grants of this nature. T. R̃ apud Westmʳ, 16ᵒ die Martii, anno p̃d. By writt, &ᶜ.

Dwight. 23rd April 1671.

164. A grant and lycence to John Dwight, gentl̃, his executors, administrators, and assignes, to use and exercise his new invenc̃on of makeing transparent earthenware, commonly knowne by the names of porcleane or China and Persian ware, and also the mistery of makeing the stone ware vulgarly called Collogne ware, for the terme of 14 yeares according to the statute—rendring therefore yearely into the exchequer 20ˢ; and with clauses and non obstantes usual in grants of like nature. Teste R̃ apud Westmʳ, 23ᵗⁱᵒ die Aprił, anno p̃d. By writt, &ᶜ.

Blood. 7th Nov. 1671.

165. A speciall lycence granted to Edmond Blood, of London, merchant, for the exerciseing his new invenc̃on, by him found out, for makeing a silke shagg, commodious for garments, of a silke wast, shagged by tazell or rowing cards, like as English bayes, rowed fustians, or dimaties; to hold to him & his assignes for the terme of 14 yeares according to the statute—rendring to His Maᵗⁱᵉ the yearely rent of 6ˢ eight pence, payable unto the exchequer; with such provisoes and non obstantes as are usuall in grants of like nature. Teste R̃ apud Westmʳ, 7ᵐᵒ die Novembris, anno p̃d. Per bṽe, &ᶜ.

Haynes. 3rd February 1672.

166. A speciall lycence graunted unto Richard Haynes, of Sullington, in the county of Sussex, gent., to use his new way or invenc̃on to sever, divide, and make cleane the seed called nonsuch, trefoyle, or hopp clover from its huske and also from the mixture of course grasse or wad, for the terme of fourteene yeares, according to the statute in that case provyded—yielding therefore the yerely rent of twenty pounds att Michaelmas in every yeare; and with provisoes and clauses usuall in grants of like nature. Teste apud Westmʳ, 3ᵗⁱᵒ die Febr̃, aᵒ p̃d. Per bṽe, &ᶜ.

Wells. 15th Feb. 1672.

167. A speciall lycence granted unto John Wells to use his new engine teachinge to performe by artificial horses the usual exercises of a compleate horsman generally taught in accademyes, vizᵗ, the running att the ring, throwing of the launce, shooting of the pistoll, and takeing upp of the head, for the terme of 14 yeares according to the statute in such case p̃vided—yeilding every Mich̃as yearly into the exchequer one pound; with prohibic̃on to others; and such powers, clauses, and non obstantes as are usuall in grants of this nature. Teste R̃ apud Westmʳ, 15ᵒ die Febr̃, aᵒ p̃d. p bṽe, &ᶜ.

Lee. 26th Feb. 1672.

168. A lycence granted to Edward Lee, esqʳᵉ, to use his invenc̃ons of new engynes for the cutting new rivers, and for the deeping, clearing, and removeing sands, gravell, stones, and other earth in rivers, and makeing those navigable that are choaked upp; to hold the same to him, his exʳˢ, admʳˢ, & assignes, for nyneteene yeares according to the statute in that case made & provyded—rendring the yearly rent of twenty shillings, payable at Mich̃as onlly; and with clauses & non obstantes usuall for grants of like nature. Teste R̃ apud Westmʳ, 26 die Februar̃, aᵒ p̃d. p breve, &ᶜ.

BAYLY. 3rd April 1673.

169. A speciall lycence granted unto LEWIS BAYLY, gentl, to use his new invencons, by him found out, vizt, a mill for the grinding of rapeseed and lynn seed, wth a presse to produce the oyle from the same; and also for the grinding of brazill wood and loggewoode, and other hard woods and thinges grindable; which mill workes a new way without stones; and also a new engine for the cleanseing and digging rivers, harbours, and havens to any depth under 25 foot att low water; to hold to him, his executors, admrs, or assignes, for the terme of 14 yeares according to the statute in that case provided; with such provisoes and non obstantes as are usuall in grants of like nature. Teste R apud Westmr, 3o die Aprił, anno pd. Per bre de privato sigillo.

STANNING. 30th May 1673.

170. A lycence to Sr NICHOLAS STANNING, knight of the bath and baronett, for the sole use and exercise of his invencon of melting, casting, refyneing, and forgeing iron & other mettals with turfe & pete charked wthin His Mattie's kingdome of England & dominion of Wales, for the terme of 14 yeares according to the statute; with such powers, clauses, provisoes, & non obstantes usuall in graunts of this nature. Teste R apud Westmr, 30 die Maii, anno pd. Per bre, &c.

CHAMBERLAYNE. 12th Nov. 1673.

171. A speciall lycence & confirmacon to WILLIAM CHAMBERLAYNE, esqre, his exectors, administrats, & assignes, for the terme of 14 yeares from the day of the date hereof, according to the statute of lycence, to use & exercise his new art or mistery of plateing & tynninge of iron, copp, steele, & brasse, and for the compressing and plateing of all other mettalls, hee never yett useing or putting them in practize by reason of his long imprisonmt & troubles in the late intestine warrs & since; and with such non obstantes and clauses as are usuall in graunts of like nature. Teste R apud Westmr, 12o die Novembris, anno supa dict. By writt, &c.

FOLYART. 25th Nov. 1673.

172. A speciall lycence graunted to RAPHAELL FOLYART, esqr, His Matys svant, to use his new invencon called the royal carousell or tournament, being framed & contrived with such engynes as will not only afford great pleasure to His Maty & his nobility in the sight thereof, but sufficient instrucc̃on to all such ingenious young gent as desire to learne the arte of pfect horsemanshippe, with all the usuall practises & exercizes thereof, as running att the ring, throwing the lance, takeing upp the head, & the like, wch is all pformed in a streight lyne, & soe near approaching to the naturall way of horsemanshippe then any other formerly invented or used; to hold to him, his executors, administrators, & assignes, for the terme of 14 yeares according to the statute; and wth such clauses & non obstantes usuall in graunts of like nature. Teste R apud Westmr, 25o die Novembris, anno supa dict. By writt, &c.

TOGOOD. 24th Feb. 1674.

173. A speciall lycence graunted unto THOMAS TOGOOD of the sole use & benefitt of his new invencon for cleanseing the streetes and carrying away the dirt by a more easy way then formerly hath byn knowne; to hold to him, his executors, administrators, & assignes for the terme of 14 yeares according to the statute; with clauses & non obstantes usuall in graunts of like nature. Teste R apud Westmr, 24o die Februarii, anno supa dco. By writt, &c.

JOHNSON. 27th Feb. 1674.

174. A speciall lycence graunted unto JOHN JOHNSON, gent., for the sole use & benefitt of his new invencon of a wind mill or wind engine for rayseing of water to great heights, & drayning of mines & drowned grounds, & other things; to hold to him, his executors, administrators, & assignes for the terme of 14 yeares according to the statute; with clauses & non obstantes usuall in grants of like nature. Teste R apud Westr, 27o die Februarii, anno supa dco. By writt, &c.

MORLAND. 14th March 1674.

175. A speciall lycence graunted to S^r^ SAMUELL MORLAND, knight and baronett, for the sole use of his new invenc̃on of severall engines for raising great quantities of water with farr less ꝑporc̃on of strength then can be ꝑformed either by any chaine pump or other engine now in use ; to hold to the said S^r^ Samuell Moreland, his executors and assignes, for the terme of 14 yeares according to the statute in that case ꝑvided; with such proviso and non obstantes as are usuall in graunts of like nature. Teste R̃ apud Westm^r^, 14^o^ die Marcii, anno sup^a^ dc̃o. By writt, &c.

RAVENSCROFT. 16th May 1674.

176. A speciall lycence graunted unto GEORGE RAVENSCROFT, gent., of the sole use & benefett of his new invenc̃on or art & manufacture of a certaine christeline glasse, resembling rock christall, not formerly used in this kingdome ; to hold to him, his executors, administrators, & assignes, for the terme of seaven yeares ; with clauses & non obstantes usuall in graunts of like nature. Teste R̃ apud Westm^r^, 16^o^ die Maii, anno sup^a^ dc̃o. By writt, &c.

AERSKIN. 24th Dec. 1674.

177. A speciall lycence graunted unto WILLIAM AERSKIN, esq^re^, to have sole use of his new engine or machine, without oares, for the safe lowring shipps & vessells out of and into rivers & harbors when they are obstructed by contrary winds, w^ch^ may tend very much to the service of His Ma^t's^ navy royall, as well as the shipps & vessells of His Ma^t's^ subiects ; to hold to him & his assignes for 14 yeares according to the statute; with clauses & non obstantes in graunts of like nature. Teste me ip̃o apud Westm^r^, 24^o^ die Decembr̃, anno sup̃ dc̃o. By writt, &c.

BURNEBY. 21st January 1675.

178. A speciall lycence graunted unto EUSTACE BURNEBY, esq^re^, to have the sole use of his new invenc̃on for makeing all sorts of white paper for the use of writing and printing ; to hold to him, his executors & assignes, for 14 yeares according to the statute in that case provided ; with clauses & non obstantes usuall in graunts of like nature. Teste R̃ apud Westm^r^, 21^o^ die Januarii, anno sup^a^ dc̃o. By writt, &c.

TOGOOD. 20th April 1675.

179. A speciall lycence graunted unto THOMAS TOGOOD, gent., for the useing his new invenc̃ons of an engine, with pipes & baggs, for the raiseing of water, wherein all friction being taken away more water can taken upp, & with farr lesse charge then by any other wayes as yett knowne, and will not onely ꝑve of great use for the drayning of all kinds of mynes, but may alsoe bee applyed with singuler advantage for the cleering of shipps from water and watering of grounds farr beyond the way of pumps ; and alsoe a new art & mistery, never hitherto known, for the tingeinge silkes, cottens, & stuffs, by way of impression & otherwise, to the livelynesse of painting in all kind of figures and landskipps, for the use of hanging & any other furnitures answerable thereunto, or of the like nature ; to hold to him, his executors & assignes, for the terme of 14 yeares according to the statute in that case made & provided; with such provisoes & non obstantes as are usuall in graunts of like nature. Teste R̃ apud Westm^r^, 20^o^ die Aprilis, anno sup^a^ dc̃o. By writt, &c.

GEDDE. GALTE. NOWELL. 23rd April 1675.

180. A speciall lycence graunted unto JOHN GEDDE, gent., WILLIAM GALTE, of London, esq^r^, and SAMUELL NOWELL, gent., to use their new way for the ymprovem^t^ of bees by the invenc̃on of such com̃odious hives or boxes placed the one upon the other, having holes or passages in the topp to lett the bees constantly worke through, and houses with severall entryes backwards & forwards and other conveniences, w^ch^ will free the owners from charge and trouble, the bees from the inconvenyences of swarmeing & being destroyd, & many other casualties that attend them, beyond all expedients that have

hitherto byn discovered; to hold to them & their assignes for 14 yeares according to the statute; and with clauses & non obstantes usuall in graunts of like nature. Teste R̃ apud Westm^r, 23° die Aprilis, anno sup^a dc̃o.
By writt, &c.

THOMAS.
11th June 1675.

181. A speciall lycence graunted unto Captaine GILBERT THOMAS to use his new invenc̃on of makeing out of the uselesse dust or powder of indigo, stone blewe, flatt indigo, and powder blew, such as is made in Holland & those pts, very usefull & necessary for the renching & cleanseing of lynnen cloathes; to hold to him & his assignes for 14 yeares according to the statute; with clauses & non obstantes usuall in graunts of like nature. Teste R̃ apud Westm^r, xj die Junii, anno sup^a dc̃o. By writt, &c.

FANSHAW.
COX.
CROXTON.
30th July 1675.

182. A special lycence graunted unto WILLIAM FANSHAW, esq., GABRIEL COX, and REBECCA CROXTON, to use the art or way of workeing and weaving of point laces after the manner of point de bouise and point de esxayne; to hold to them and their assignes for 14 yeares, and according to the statute; and with clauses and non obstantes usuall in graunts of like nature. Teste R̃ apud Westm̃, 30° die Julij, anno sup̃ dc̃o. p br̃e, &c.

ANGELL.
25th Oct. 1675.

183. A graunt and lycence to JUSTINIAN ANGELL, of London, merchant, his heires & assignes, to keep & maynteyne two light houses neare the monte of Lymber in the county of York, with power to receive for every tonne of every laden shippe one farthing, and in as ample manner as the m^rs of Trinity House att Deptford Stroud in the county of Kent doe hold their lycence—paying yearely into His Ma^t's excheq^r 5^l; and with clauses and non obstantes usuall in graunts of like nature. Teste R̃ apud Westm̃, 25° die Octobris, anno p̃dc̃o. By writt, &c.

WALCOTT.
28th Oct. 1675.

184. A speciall lycence granted unto WILLIAM WALCOT, esq., his executo^rs & assignes, to use his art of makeing water corrupted fitt for use, and sea water fresh, cleare, and wholesome, in very large quantities, by such wayes & meanes as are very cheape & easie, & w^ch may be done and practiced with great speed & expedic̃on; w^ch may p̃ve very usefull as well to His Mai^t's royall navy as alsoe to all other shipps & vessells of his subjects, and also highly advantagious to trade, & w^ch may conduce to the advanceing of the customes; to hold to him for 14 yeares according to the statute; and w^th clauses & non obstantes usual in graunts of like nature. Teste R̃ apud Westm̃, 28 die Octobris, anno sup̃ dc̃o. By writt, &c.

WHARTON.
PERKINS.
INNES.
12th Nov. 1675.

185. A speciall lycence graunted unto GOODWIN WHARTON, esq., to use his new invenc̃on of buoying & raiseing up shipps ordnance or other materials thereto belonging, or other ladeing, treasures, matters, or things whatsoever, from the bottome of the sea, by the help of ayre conveyed under water; as also a new & easie way of diveing & liveing severall houres under the water, by cureing the ayre conveyed downe for sustenance, and thereby making itt fitt for refreshment of the body whilst beneath the water; and alsoe that he hath invented and made divers engines and instrum^ts, by the help whereof goods & merchandize may with more ease bee landed on shore, & likewise putt on board than ever yett hath byn experimented; to hold to him, the said Goodwin Wharton, William Perkins, & James Innes the younger, & the survivr^s & survivr^ of them, during the terme of 14 yeares according to the statute in that case made; with such provisoes, clauses, & non obstantes usual in grants of like nature. Teste R̃ apud Westm̃, 12° die Novembris, anno sup̃ dc̃o. By writt, &c.

NEALE. 12th Nov. 1675.

186. A speciall lycence graunted unto THOMAS NEALE, esq^r^, his executo^rs^ & assignes, to use his new invention of an engin or pump, serviceable for the drayning of mynes & other uses of that nature, which forces & drawes water in one whole entire barrell w^th^ one & the self same stroake, drawing more water & raiseing of it higher with less strength & much more ease then hitherto any engine that hath been invented by any other person hath done; to hold to him for 14 yeares according to the statute; and with such provisoes, clauses, & non obstantes usuall in grants of like nature. Teste R̃ apud Westm̃, 12° die Novembris, anno sup̃ dc̃o. By writt, &c.

REEVES. 18th Nov. 1675.

187. A speciall lycence graunted unto RICHARD REEVES, gent., his executo^rs^ & assignes, to use his art of casting and spreading of light by a new & unusual figure of ffoyled glass, pollished without grinding, with pipes of glass to hold candles or lamps; to hold to him for 14 yeares according to the statute; with such provisoes, clauses, & non obstantes usuall in grants of like nature. Teste R̃ apud Westm̃, 18° die Novembris, anno sup̃ dc̃o. By writt, &c.

WARD. 18th Dec. 1675.

188. A special lycence granted unto JAMES WARD, his executo^rs^ & assignes, to use his new invenc̃on of an engin for the pumping of water, as alsoe severall other water workes & mills for the drayning of grounds & raiseing of water to a great height for the service of cittyes, townes, or castles; to hold to him for 14 yeares according to the statute; and with such provisoes, clauses, & non obstantes usuall in graunts of like nature. Teste R̃ apud Westm̃, 18° die Decembris, anno sup̃ dc̃o. By writt, &c.

WHARTON. STRODE. 21st June 1676.

189. A speciall lycence of new invenc̃ons graunted unto GOODWIN WHARTON and BERNARD STRODE, esq^rs^, (att the nominac̃on of THEODORE LATTENHOWER, Hollander), who hath invented & found out certaine engines with leather pipes for the raising of water for the drenching of fires, dreyning of mines, & divers other profittable uses, with much more force & facility than hitherto hath been experienced; to hold to them, the said Goodwin Wharton & Bernard Strode, their executo^rs^ & assignes, from the day of the date hereof unto the end and terme of 14 yeares according to the statute in that case made and provided; with such clauses, provisoes, & non obstantes as are usuall in graunts of like nature. Teste R̃ apud Westm̃, 21° die Junii, anno sup̃ dc̃o. By writt, &c.

SHERWIN. 15th Aug. 1676.

190. A speciall lycence graunted unto WILLIAM SHERWIN, esq^r^, to use his new invenc̃on for the printing of broad callicoe & Scotish cloath with a double necked rowling prese, w^ch^ being the only true way of East India printing & stayning such kind of goods; to hold to him & his assignes for the terme of 14 yeares according to the statute; and with clauses & non obstantes usuall in graunts of like nature. Teste R̃ apud 15° Augus̃t, anno sup̃ dc̃o. By writt.

VAN HAMME. 27th Oct. 1676.

191. A speciall lycence graunted unto JOHN ARIENS VAN HAMME, to use his new art or invenc̃on of making tiles and purcelane and other earthen wares after the way practiced in Holland, & w^ch^ hath not byn practiced within the kingdome of England; to hold to him & his assignes for 14 years according to the statute; & with clauses & non obstantes usuall in graunts of like nature. Teste R̃ apud Westm̃, 27^th^ die Octobris, anno sup̃ dc̃o. By writt.

HUTCHINSON. 8th Dec. 1676.

192. A speciall lycence graunted unto SAMUEL HUTCHINSON, cittizen and ironmonger of London, to use his new invenc̃on of melting down lead oare into good & mallyable lead, & other mettals & mineralls into good & mallyable mettall, with minerall coales, comonly called sea coales & pitt coales; to hold to him,

his executorˢ & assignes, for the terme of 14 yeares according to the statute in that case made and provided; with such provisoes, clauses, & non obstantes usuall in graunts of like nature. Teste R̃ apud Westm̃, 8° die Decembris, anno sp̃ dc̃o. By writt.

Edisbury. 12th Jan. 1677.

193. A speciall lycence graunted unto Kenrick Edisbury, of Hamersmith, in the county of Middˣ, gent., for the useing his new invenc̃ons of a certaine sort of plaister of an extraordinary hardnes, called Glassis, wᶜʰ may be used instead of free stone, for paveing of floors, being as is intended handsomer, cheaper, & full as durable ; as alsoe water mills for corne, wᶜʰ will go with as little fall as any undershot mill, and with a fifth part of the water, whereby a great inconvenience of want of water to mills may bee avoyded ; to hold to him, his executorˢ & assignes, for the terme of 14 yeares according to the statute in that case made & provided; and with clauses, provisoes, & non obstantes usuall in graunts of like nature. Teste R̃ apud Westm̃, 12° die Januarij, anno sup̃ dc̃o. By writt.

Bosvile. 28th Jan. 1677.

194. A speciall lycence graunted unto Lennard Bosvile, esqʳ, to use his two severall mills or engynes for the better, spedier, & more comodious makeing of cyder and perry then ever heretofore hath been knowne or experimented within His Maᵗʸˢ dominions ; to hold to him, his executorˢ & assignes, for the terme of 14 years according to the statute ; and with clauses, provisoes, & non obstantes usuall in graunts of like nature. Teste R̃ apud Westm̃, 28° die Januarij, anno sp̃ dc̃o. By writt.

Nelthorpe. 14th Feb. 1677.

195. Edward Nelthorpe, of London, merchant, haveing with great labour and expence invented and found out a certaine engine or mill for the hulling of black peppʳ and barley, being never yet used by any butt himselfe, His Maᵗⁱᵉ, att his speciall instance & nominac̃on, is pleased to graunt to Charles Milson, of London, merchant, lycence to use itt, & all the benefit hereby arrissing ; to hold to him the said Milson, his executorˢ & assignes, for 14 years according to the statute ; and with clauses & non obstantes usuall in graunts of like nature. Teste R̃ apud Westm̃, 14° die Februarij, anno sup̃ dc̃o. By writt.

Bayly. 15th March 1677.

196. A speciall lycence granted unto Lewis Bayly, gent., for the ussing his new invenc̃ons of a certain new engyn working with netts, being found a more easie and expeditious way then any heretofore practiced for the taking up from under water gravell, sand, shingle, and other soyles fitt for ballasting shipps & other uses, & is capeable of removing sand, shoals, & other obstructions in rivers, without makeing holes as formerly have done, or doeing any thing p̃judiciall to the navigation ; as alsoe another engine for the better driveing in piles for securing peeres & defences against the violence of the sea ; to hold to him, his executorˢ & assignes, for 14 yeares according to the statute in that case p̃vided ; and with clauses, provisoes, and non obstantes usuall in graunts of like nature. Teste R̃ apud Westm̃, 15° die Martij, 29° Caroli sc̃di. By writt, &c.

Castle. Ewbank. 20th March 1677.

197. A special lycence graunted unto William Castle, esq., & Collowell Henry Ewbank, to use their new invenc̃on, by them found out & contrived, for makeing certaine secure & comodious fire hearthes for shipps made of iron, copper, & other mettals, by meanes whereof shipps & other vessels may bee the better p̃served from burning; to hold to them & their assignes from the day of the date hereof unto the end & terme of 14 yeares according to the statute in that case made & provided ; with such provisoes, clauses, & non obstantes usuall in graunts of like nature. Teste apud Westm̃, 20° die Martij, anno sup̃ dc̃o. By writt, &c.

De Blewston. 25th Oct. 1677.

198. A speciall lycence graunted unto Frederick De Blewston, esq^r, to use his new invencon, by him found out, being a new & effectuall way of melting down, forgeing, extracting, and reducing of iron and all mettalls & mineralls with pitt coal and sea coal as well & effectually as ever hath yett byn done by charcoal, & with much lesse charge; to hold to him the said Frederick De Blewston, his executo^rs & assignes, for the terme of 14 yeares according to the statute in that case made and provided. Teste R̃ apud Westm̃, 25° die Octobris, anno sup̃ dco. By writt, &c.

Trant. 7th Dec. 1677.

199. A speciall lycence granted unto Patrick Trant, gent., to use his new invencon of makeing all sorts of hard soapes, comonly called Venetian, Marselles, Castill, and all other hard soapes, as they are usually made beyond the seas; to hold to him the said Patrick Trant, his executo^rs & assignes, for the terme of 14 yeares according to the statute; with such provisoes, clauses, and non obstantes as are usuall in grants of like nature. Westm̃, 7° Decembr̃, 29° Car̃ 2^di. By writt, &c.

Jennens. Systed. 25th March 1678.

200. William Jennens, kn^t, haveing attained to the knowledge of erecting certain bainds to sweat, wash, & bath in, never yet used in any of His Mãtie's dominions, which in remote parts have been found of great advantage for p̃servation of health, by speedy removall of severall diseases incident to the body of man, and that he hath erected the same to be as beneficiall as any other bainds in any part of the world, His Mãtie, at his sp̃iall instance, is pleased to grant to him & to Charles Systed, of London, merchant, lycence to use it, and all benefitt arriseing thereby; to hold to them, their ex̃ors, adm̃ors, & assignes, for 14 years according to the statute; and with clauses & non obstantes usuall in like grants. T. R̃ apud Westm̃, 25° Mar̃ij, anno p̃dco. By writt, &c.

Howard. 26th March 1678.

201. Charles Howard, esq., rep̃senting to His Mãtie that he hath atteyned a new art of p̃pareing & whitening hemp & flax by help of liquors & engines, a more usefull way then yet hath been practised, as whereby the usuall strength of it is p̃served, yet as cables & all sortes of cordage may be made thereof considerably lesser, lighter, & yet stronger then any now in use, and may be spunn finer, stronger, & yet smooth, that it may be woven into all sortes of cloth without the charge of paste or other stifning or boyling, which wastes neer a quarter of its substance, for that the cloth thus made will be thicker, stronger, & finer, & fitter for sayles, fine linnen, & thread being halfe whitened by this art before it is spunn, the whitening it wholy in cloth rotting it before it comes to be used, His Mãtie is pleased to grant him licence to use the said art and all benefitt arriseing thereby; to hold to him, his executors, adm̃ors, & assignes, for 14 yeares according to the statute; and with clauses & non obstantes usuall in grants of this nature. Teste R̃ apud Westm̃, 26° Marcij, anno sup̃ dict̃. By writt, &c.

Dereham. Haines. 18th April 1678.

202. Richard Dereham and Richard Haines, esq^rs, informing His Mãtie that they have invented a new spinning engine, never used in England, whereby from 6 to one hundred spinners and upwards may be imployed by the strength of 1 or 2 p̃sons to spin linnen & worsted thread with such ease and advantage that a child of 3 or 4 yeers of age may do as much as a child of 7 or 8 yeers old, & others as much in 2 dayes as, without this their invencon, they can in 3 days, His Mãtie is pleased to grant them, their executors & adm̃ors, licence to use the said art; to hold to them, their ex̃ors, &c, for 14 yeares according to the statute; and with other clauses and non obstantes usuall in like grants. Teste R̃ apud Westm̃, 18 Apr̃il, anno sup̃ dict̃. By writt, &c.

ROBERTS.
5th June 1678.

203. JOHN ROBERTS, esq., informing His Mãtie that by his industry and with much charges he hath atteyned the art to grind, pollish, & diamond glass plates for lookeing glasses, coaches, & other uses, and for other sortes of glass, by the moc̃on of water and wheeles, being his own invenc̃on and never before used in England or any other of His Mãties dominions, His Mãtie is pleased to grant licence to the said John Roberts, his executors, adm̃ors, & assignes to use the said art; to hold for 14 yeares according to the statute; and with clauses and non obstantes usuall in such grants. Teste R̃ apud Westm̃, 5° die Junij, anno sup̃dict̃. By writt, &c.

POTTER.
4th October 1678.

204. AMY POTTER, widdow, presenting His Mãtie with an invenc̃on for making of Flanders Dolberline and all other laces of woollen, to be used in dresses for the decent buriall of the dead or otherwise, which may tend to the increas^{3} of woollen manufacture, & according to an act for burying in woollen, His Mãtie is pleased to grant her licence & the sole benefitt of using the said invenc̃on; to hold to her, her executors, adm̃ors, & assigns, for 14 yeares according to the statute; with other clauses & non obstantes usual in such grants. T. R̃ apud Westm̃, 4° Oct̃, anno supradict̃. By writt, &c.

LEDGINGHAM.
4th October 1678.

205. ROBERT LEDGINGHAM, of London, merch^{t}, informing His Mãtie with his invenc̃on of severall engines for discharging water out of mines & shipps, wetting of sayles, quenching of fires, & such other uses, whereby he can raise water higher & with farre less strength then can be pformed with any other engine, His Mãtie is pleased to grant licence to him, his ex̃ors & assignes, to use & enioy the sole benefitt of the said invenc̃on for 14 yeares according to the statute; with other clauses & non obstantes usuall in such grants. T. R̃ apud Westm̃, 4° die Octob̃r, anno sup̃dict̃. By writt, &c.

GRANDISON.
12th Nov. 1678.

206. The Right Honorable GEORGE Lord Viscount GRANDISON informing His Mãt^{ie} that hee hath lately found out a new invenc̃on to melt & refine lead oare in close or reverberated furnaces with pit coal or sea coal, turfe, peat, or other mixt fuell, & not with wood, wood coale, or charcoal, by means whereof lead oare will be melted and refined much cheaper then formerly it hath been by reason of the dearness and scarcity of wood, His Mãtie is pleased at the humble request of the said Viscount to grant him, his ex̃ors, adm̃ors, & assignes, licence and sole priviledge to use, practise, exercise, & enioy the said art or invenc̃on & the sole benefitt accrewing thereby; to hold for the terme of 14 years according to the statute; & with other clauses & non obstantes usuall in such grants. Teste R̃ apud Westm̃, 12° die Nov̄, anno xxx° Car̃ 2^{di}. By writt, &c.

HARVY.
24th Feb. 1679.

207. THOMAS HARVY informing His Mãtie that hee having for 14 years past been a considerable dealer in iron and iron works hath by his industry and great charge invented an engine for drawing Spanish and Swedish iron into all sortes of rounds for bolts for shipping and other vses, in a much better and more expeditious manner then the same have hitherto been pformed by the smith's hammer, and that by the help of this engine all sortes of round iron for shipping and other vses wil be much better & cheaper made here in England then hitherto have been, His Mãtie is pleased to grant to the said Thomas Harvy, his executors, adm̃ors, & assignes, licence and sole priviledge to vse, exercise, and enioy the said art and the sole benefitt & advantage ariseing thereby; to hold for the terme of 14 yeares according to the statute; with other clauses usuall in such grants. T. R̃ apud Westm̃, 24° die Febr̃, anno supradict̃. By writt, &c.

BURTON.
PLETT.
DRIGTON.
23rd May 1679.

208. His Ma^tie being informed by GEORGE BURTON, SILVESTER PLETT, and JOHN DRIGTON that by their travels, great charge, & pains they have atteyned the art, by way of hidragogie in pipes, engines, and vessells, to raise water out of shipps, tinn, cole, lead and other mines, and to dreyne overflown lands, to return back water of all sortes of mills, and not only to make vndershoot to serve overshoot mills, but alsoe, by reversing the water, to supply those mills in the drought of summer when they vsually stand dry, alsoe, if occasion be, to raise the Thames water or any the like to a much higher degree and in greater proporc̃ons then is now practized in London by water-mill houses, without the great charge and labour of men and horses, and all this in a much more certaine and easier way then is now practised in England, His Mãtie is hereby pleased to grant to them licence and sole priviledge to vse the said invenc̃on for terme of 14 years according to the statute in that case made; and with other clauses vsuall in such grants. T. R̃ apud Westm̃, 23° die Mayii, anno supradict̃. By writt, &c.

BELLINGHAM.
GUBIN.
6th Dec. 1679.

209. JOHN BELLINGHAM and NICHOLAS GUBIN representing to His Mãt^ie that they have been at great expences in bringing to perfec̃on the manufacture of makeing Normandy window glass in this kingdom, which hath never yet been made here, His Mãtie, at their humble request, is hereby pleased to grant them the sole priviledge of making the said manufacture for the terme of 14 yeares next ensueing the date hereof; w^th other clauses usuall. Teste R̃ apud Westm̃, 6° die Dẽr, xxxi Car̃ 2^di. By writt, &c.

HARRINGTON.
DEGELDEW.
SAWTON.
4th March 1680.

210. WILLIAM HARRINGTON, CORNELIUS DEGELDEW, and SAMUEL SAWTON representing to His Mãtie that they have found out a new invenc̃on, being severall tooles, engines, or instruments to bee wrought without diveing for the weighing or recovering from under water shipp's gunns and goods by any accident shipwreckt or lost in the harbours or at sea, His Mãtie is hereby pleased to grant them, their workmen and servants, licence, priviledge, and authoritii for the sole vse and exercise of the said invenc̃on, and the sole benefitt thereof, for the terme of 14 yeares according to the statute in that case made; with other clauses vsuall in grants of like nature. Teste Rege apud Westm̃, 4° die Marcij, anno 33° supradict̃. By writt, &c.

DU FRESUE.
MAYO.
9th June 1681.

211. FRANCIS FANDELL DU FRESUE, esq^r, a native of France, haveing made a proposall to His Mãtie for carrying on a new invenc̃on of makeing salt within England and Scotland, which, as he suggests, will not only be of great vse in salting fish & flesh without being beholden to other partes, but produce a beneficiall trade between His Ma^ties dominions and the kingdom of Sweden and other northern countreys, whether such quantities of salt may be carried from hence as will pass in exchange for copper, iron, and hemp, and other comodities, whereof His Mãtie's subjects stand in dayly need; and he having likewise prayed His Mãtie ẗres patent of priviledges, as in case of a new invenc̃on, by virtue whereof His Mãtie may raise such works as shall be necessary for preparing his salt, and yet he & his associates may enioy the same advantage in relation to customes as His Mãties, as His Mãties reall born subjects doe, His Mãtie, being informed by the comittee for trade that they, having considered the pposalls, report for the granting him licence for the said new invention, His Mãtie, at the noïacon of the said Francis Fandell Du Fresue, hereby doth give and grant to Edward Mayo, of London, and his exet^rs, adm^s, & assignes, speciall licence & sole power & priviledge for vsing & enioying the said art or invenc̃on of makeing baysalt within England & Ireland in such manner as to him or them shall seem meet, & to have & enioy the sole benefitt thereof; to hold for 14 yeares next comeing after the date hereof; and with other clauses vsuall. Teste R̃ apud Westm̃, 9° die Junij, 33° Car̃ 2^di sup̃dï. By writt, &c.

PAWLEY.
DALLOW.
25th June 1681.

212. WILLIAM PAWLEY and EDW'D DALLOW informing His Mãtie that they, with their long study & labour, have found out a new way or art for dreyning mynes & other necessary uses never heretofore found out or vsed by another, which being putt into practice may be of great advantage to his subjects in generall, upon their humble petition His Mãtie is pleased to grant them licence, sole power, & priviledge to vse, practize, & exercise the said art & invenc̃on in England & Wales, & to have & enioy the sole benefitt & advantage ariseing thereby; to hold & enioy the s^d licence, authority, & other the p̃misses from the date hereof for the terme of 14 yeers according to the statute in that case made; with other clauses & non obstant̃ vsuall in like grant. Teste R̨ apud Westm̃, 25 Junij, anno 33^o C. 2^di sup̃dict̃. By writt, &^c.

BECHER.
2nd August 1681.

213. JOHN JOACHIN BECHER informing His Mãtie that with great charge and paines he hath found out a new way or instrument for winding of silk, never before found out or vsed by any other, which being putt in practice may bee of great advantage to the subjects in generall, upon his humble petition His Mãtie hereby grants to the said John Joachin Becher, his exec̃t^rs, adm̃o^rs, & assignes, licence & authority that he & they, and their workmen & servants, and noe other, may vse, practice, and enioy the said art or invenc̃on within England or any of His Mãtie's dominions, & the sole benefitt thereof; to hold for 14 years according to the statute in that case made; with other clauses & non obstant̃ usuall. Teste R̨ apud Westm̃, 2 die Aug̃, anno 33^o Car̃ 2^di sup̃dict̃. By writt.

BECHER.
SEARLE.
29th August 1681.

214. JOHN JOACHIN BECHER, d^r of law, and HENRY SEARLE, esq., informing His Mãt^ie that they have, with long study, labour, and expence, found out a new way of makeing pitch and tarr out of pitt coal, never before found out or vsed by any other, which being putt in practice may be of great advantage to the subjects in generall, His Mãtie is hereby pleased to grant to them licence & sole priviledge that they, their serv^ts, workmen, & assignes, & no other, may vse the said art or invenc̃on in England or any other His Mãties dominions, & have the sole benefitt thereby arising; to hold for 14 yeeres according to the statute; & with other clauses vsuall in such grants. Teste R̨ apud Westm̃, 29 Aug^t, Car̃ 2^di sup̃dict̃. By writt, &^c.

BECHER.
SEARLE.
VINCENT.
WEALE.
WEALE.
29th August 1681.

215. JOHN JOACHIN BECHER, HENRY SEARLE, HENRY VINCENT, JOHN WEALE, and SAMUEL WEALE, informing His Mãtie that they have, with their long study, labor, & expences, found out a very vsefull machine or engine to raise & throw out water in very great quantities from the greatest depths of pitts or mynes with great expedic̃on & little labor, never before found out by any other, which being putt in practice may be of greate advantage to the subiects in generall, upon their humble petition His Mãtie is hereby pleased to grant unto them, their executors, adm̃ors, & assignes, sp̃iall licence & sole power, priviledge, & authority that they, their workmen & servants, & noe other, may vse, exercise, & enioy, & putt in exec̃on the said invenc̃on within England or any other His Mãtie's dominions, & enioy the sole benefitt ariseing thereby; to hold for 14 yeares according to the statute in that case made; with other clauses vsuall in like grants. Teste R̨ apud Westm̃, 19^o die Augusti, 33 Car̃ 2^di sup̃dict̃. By writt, &^c.

CARDIFFE.
16th Feb. 1682.

216. CHARLES CARDIFFE, gen., informing His Mãtie that he hath, by his long experience, found out an expedient with security to make musketts, carbines, pistolls, or any other small fire-arms to discharge twice, thrice, or more severall & distinct shotts in any single barrel & lock, with one primeing, and with double locks, oftener reserving one or more shotts till occasion offer, which hitherto by none but himself hath been invented or known the

mistery or mayne lying in the charge, which being putt in practice may be of great advantage to the subjects in generall, upon his humble petition His Mãtie is hereby pleased to grant to him, his execr̃, adm̃, or assignes, speciall licence, full and sole power, priviledge, & authority that he & they, & his, their workmen & servants, & none other, may, for 14 yeers next after the date hereof, vse, practice, & enioy the said art or invenc̃on within England or any other of His Mãtie's dominions, & enioy the sole benefitt ariseing thereby; with other clauses vsuall. Teste R̃ apud Westm̃, 16 die Febr̃, 34 Car̃ 2di. By writt, &c.

Becher. 28th April 1682.

217. A licence to John Joachim Becher, dr of laws, his exectrs and assignes, to exercise and enioy his new art or invenc̃on for making & erecting floating mills upon the river of Thames & all other navigable rivers for grinding of all sorte of grain within England and Ireland; to hold for 14 yeeres according to the statute; with usual clauses. Teste R̃ apud Westm̃, 28 Apr̃, 24 Car̃ 2di. By writt, &c.

Tredenham. Vivian. Trewren. Harris. 12th May 1682.

218. John Tredenham, Charles Vivian, John Trewren, esqrs, & Will'm Harris, geñ, informing His Mãtie that, with considerable paines and charge, they have lately invented a new engine for drawing of water after a more facile and advantageous way then hath heretofore been practized or found out, which may bee of great use in drawing the water out of the tyn mines in Cornwall & other mynes, upon their humble petic̃on, & His Mãtie having a more speciall regard vnto the invenc̃on aforesaid, and that a mark & favor bee lett on such their ingenuity, & their labour & expence in some measure rewarded, doth hereby grant vnto them, their executors & assignes, speciall licence, priviledge, & authority to vse & practise the said new invenc̃on to draw water out of mynes, & do any other thing, by the vse of the said engine, in England, Scotland, & Ireland, & receive the sole profitt & advantage arising thereby to their own uses; to hold for 14 years, according to the statute; with other clauses vsuall. Teste R̃ apud Westm̃, 12 Maij, 34 Car̃ 2di. By writt, &c.

Aldersey. 17th June 1682.

219. Robert Aldersey, cittizen and salter of London, informing His Mãtie that hee hath, with considerable charge & paines, found out a new invenc̃on, being an engine for the better & more easy raising water out of the deepest wells, pitts, or mynes, takeing off the one half of the reall weight of the water itselfe, never before found out or vsed by any other, which being putt into practise may be of great benefitt to the subiects in generall, His Mãtie is pleased to grant to him, his exec̃trs, admors, & assignes, speciall licence, power, and priviledge by him and themselves, deputies, servants, & workmen, & noe others, to vse, practise, exercise, enioy, and putt in execuc̃on the said art or invenc̃on within England or any other His Mãtie's dominions in such manner as to him shall seeme meete, and to have and enioy the sole benefitt and advantage ariseing hereby; to hold from the date hereof for 14 yeers according to the statute. Teste Rege apud Westm̃, 17 Junij, 34 Car̃ 2di. By writt, &c.

Bladen. 10th July 1682.

220. A speciall licence granted to Nathaniel Bladen, esq., to vse his new invenc̃on of an engine, method, & mill, whereby hemp, flax, linnen, cotton, cordage, silk, woollen, & all sortes of materialls whereof all maner of pastboard & paper for writeing, printing, & for all other sortes of vses, hath been or may be made, are p̃pared & wrought into paper & pastboard much speedier & cheaper then by the mills now vsed, and to vse, practice, & enioy the same in any of His Mãties dominions, and to take the sole benefitt ariseing thereby; to hold for 14 yeeres according to the statute; with other clauses & non obstant̃ vsuall in grants of this nature. Teste R̃ apud Westm̃, 10o die Julij, 34 Car̃ 2di. By writt, &c.

AMMONETT.
HAYES.
GUTHARD.
29th July 1682.

221. A licence to FRANCIS AMMONETT, CLAUDE HAYES, and DANIEL GUTHARD, of the free vse, benefitt, and advantage of their new invenc̃on of the manufacture of draped milled stockings within England, Wales, & the towne of Berwick-upon-Tweed; to hold during the terme of 14 yeares according to the statute in such case pvided; with vsuall clauses. T. R̃ apud Westm̃, 29 die Julij, 34 Car̃ 2di. By writt, &c.

MARBURY.
31st July 1682.

222. His Mãtie at the petic̃on of John Dason, gen̄, is hereby pleased to grant to WILLIAM MARBURY, esq., the sole vse and benefitt of his new invenc̃ons of makeing salt and dreyning of brine pitts for the terme of 14 yeares according to the statute; with vsuall clauses. Teste R̃ apud Westm̃, 31 die Julij, 34o Car̃ 2di. By writt, &c.

WINDSOR.
PITT.
DRAPER.
21st Nov. 1682.

223. THOMAS LORD WINDSOR, GEORGE PITT, and CRESHOLD DRAPER, esqrs, informing His Mãtie they have expended great sums of money in trying to bring to pass the makeing of wett harbours and docks to hold all sorts of shipps, to lye 10, 20, 30, or 40 foot above high-water mark, and after severall experimts they have contrived by engines and other waies, & with the help of 3 men only, to take the greatest ship of burthen out of the river of Thames into the said harbour 10, 20, 30, or 40 foot above high-water mark, and by the said meanes to deliver any shipp into the river of Thames againe, and can alsoe deliver the greatest shipp from the stocks into the said harbour, & from the harbour upon the stocks againe, and that the said dock or harbor shall better p̄serve shipps from decay, and from fire & enemies, then now they are, and upon their humble petic̃on His Mãtie is hereby pleased to grant them, their ex̃ors, adm̃, & assns, special licence & priviledge for the sole exercise of their said new invenc̃on for 14 yeers according to the statute, & to have & enioy the full benefitt & advantage ariseing hereby; with other clauses usuall. Teste R̃ apud Westm̃, 21o Nov̄, 34 Car̃ 2di. By writt, &c.

WHALLEY.
23rd March 1683.

224. PETER WHALLEY representing to His Mãtie that he hath, after long exercise in mechanicall experiments, happily devised and perfected a certain pump or engine, much more convenient for all purposes then any heretofore vsed or knowne, and upon his humble petic̃on His Mãtie grants his executors, adm̃ors, & assignes speciall licence, p̄viledge, and authority, by them, their deputies, servants, & agents, and noe others, to vse the said invenc̃on in England & Wales, or any of His Mãtie's kingdomes whatsoever, and to enioy the sole benefitt & advantage arissing thereby; to hold for 14 years according to the statute from the date hereof; with other clauses vsuall. Teste R̃ apud Westm̃, 23 die Mar̃, 35 Car̃ 2di. By writt, &c.

MAUNDRELL.
WILLIAMS.
25th April 1683.

225. RICHARD MAUNDRELL and JOHN WILLIAMS informing His Mãtie that they were the first inventors of the mistery of casting and makeing hollow pewter or block tinn buttons, and finding an abuse creeping in to the p̄judice of the said comodity, by makeing the same with lead and other baser metalls, by the same persons they instructed in the said mistery, to the great damage of his subiects and the abstrac̃on of forreigne vent, and that the said invenc̃on & manufacture may be reduced to its first goodness, credit, & service, which will create a livelyhood for many poor impotent, & great advantage in the cheapnes & durableness; & upon their humble petic̃on His Mãtie grants them, their executors, adm̃ors, & assignes, speciall licence, p̄viledge, & authority for themselves, their deputies & agents, & noe others, to exercise & enioy the said invenc̃on in any of His Mãties dominions, according to such reasonable rates as they shall see meet, & to have the sole benefitt & advantage arising thereby; to hold for 14 from the date hereof according to the statute. Teste R̃ apud Westm̃, 25 Apr̃, 35 Car̃ 2di. By writt, &c.

FITZGERALD.
OGLETHORP.
BRIDGEMAN.
TRANT.
MAULE.
9th June 1683.

226. ROBERT FITZGERALD, THEOPHILUS OGLETHORP, W^m^ BRIDGEMAN, PATRICK TRANT, & THOMAS MAULE, esq^rs^, representing to His Mãtie that with great expences and industry they have invented and atteyned unto a way to render salt and brackish water sweet and fitt for drinking, boyleing meat, washing, or any other ordinary vse, by the meanes of a certaine engine or engines not heretofore vsed or practised in His Mãties dominions; & that the said invenc̃on wil be of great & publique vse both at land and at sea, and especially in long voyages, when many times great inconveniencies, mortalities, and sicknesses, whereby the benefitt of voyages are lost, happen for want of fresh water, which by means of this invenc̃on wil be p̃vented, itt being to be putt in vse with great ease on shipboard, and soe as to supply the seamen with sufficient quantities of good wholesome water; upon their humble petic̃on His Mãtie grants them licence, sole priviledge, and authority that they and the survivors & survivor of them, his & their exec^rs^, adm^s^, & assignes, by them, their deputies, servants, & agents, may vse the said invenc̃on in any of His Mãties dominions for & according to such reasonable rates as they shall see meet, & have the sole benefit & advantage growing thereby; to hold for 14 yeeres according to the statute. Teste Rege apud Westm̃, 9 die Junij, 35 Caŕ 2^di^. By writt, &c.

VERNATTY.
1st August 1683.

227. JOHN VERNATTY, geñ, rep̃senting to His Mãtie that with great charge he has found out a new way for enlightening the streets & passages of this or any other towne or place of concourse in the dark seasons of the evening or night by a new sort of lanthorne & lamps, never hitherto put in practise in this kingdome, which, according to his method of placeing them, being put in practise wil be of great & publique vse, & may be mainteyned with farr less charge & trouble then any other lights hitherto made vse off for that purpose, & which invenc̃on hath been seen & approved of by His Matie, & now vsed in his pallaces of Whitehall & Windsor, His Mãt^ie^ hereby grants him, his exec^s^, adm^rs^, & assignes, licence & sole priviledge to vse the said invenc̃on by him or themselves, their serv^s^ & agents, anywhere within his dominions, and to enjoy the sole benefit ariseing hereby; to hold for 14 years according to the statute. Teste R̃ apud Westm̃, primo die Aug̃, 35 Caŕ 2^di^.
By writt, &c.

TRULOCK.
1st Nov. 1683.

228. WILLIAM TRUELOCK representing to His Mãtie that he with great paynes and expences hath found out an engine of a small bulk which may be soe supplied to any shipp or other vessell that it will shew how many leagues the vessell hath sayled, and may bee vsefull to all that goe long voyages by sea, vpon his humble petic̃on His Mãtie hereby grants him̃, his exec^rs^, adm̃ors, & assignes, speciall licence, full power, priviledge, & authority that hee & they, his & their workmen & servants, may vse & exercise the said invenc̃on and engine, and have the sole benefitt thereof; to hold for 14 yeares according to the statute in that case provided; with such clauses & non ostan as are vsuall in grants of like nature. Teste R̃ apud Westm̃, 1 die Nov̄, 35 Caŕ 2^di^. By writt, &c.

PALIN.
LOGOINS.
15th Nov. 1683.

229. A grant to WILLIAM PALIN & WILL'M LOGGINS of the sole vse & benefit of their new invenc̃on of makeing severall things of iron by mill work only which were and are now done by hand & ham̃er (as sheaths & tire for wheeles, plates for fenders, halfe rounds of iron for kettles, & other things of constant & great use) with much less charge & more expedic̃on then heretofore; to hold for 14 yeeres according to the statute in that case provided; with such clauses & non obstantes as are vsuall in grants of like nature. Teste Rege apud Westm̃, 15 die Nov̄ 35 Caŕ 2^di^. By writt, &c.

BOOTH.
27th Nov. 1683.

230. A grant to JOHN BOOTH, merch^t, of the sole vse & benefitt of his new invencõn of a certain engine for sawing, without the help of either wind or water, all sortes of timber board & stones or things of that kinde, wherein disabled seamen & others, wounded in His Mãtie's service or otherwise, may be employed, and thereby bee enabled to earne an honest competence for the maintenance of them & their families; to hold for 14 yeares according to the statute in that case provided; with such clauses and non obstantes as are vsuall in grants of this nature. Teste Rege apud Westm̃, 27 die Novemb̃, 35 Car̃ 2^di. By writt, &^c.

HAINES.
6th Feb. 1684.

231. A grant to RICH^d HAINES & partners of the sole vse & benefitt of their new invencõn of an art or method of preparing, improving, & meliorating cider, perry, and the juice or liquors of wildings, crabbs, cherries, goosberries, currants, & mulberries, so as to put the strength or goodness of 2 or 3 hogsheads of any of the said liquors into one, & render the same much more wholesome & delightfull by putting into them of the spiritts of some of the said liquors or any other convenient spiritts, either with or without sweets or sugars; to hold to them, their exec^rs, adm^rs, & assignes, for 14 yeers according to the statute in that case provided; with such clauses & non obstañ as are vsuall. Teste R̃ apud Westm̃, 6 die Feb̃, 36 Car̃ 2^di. By writt, &^c.

WYNDUS.
27th Feb. 1684.

232. A grant to EDWARD WYNDUS, geñ, of the sole use and benefitt of his new invencõn of a new experiment for the great & durable increase of light by extraordinary glasses and lamps, very vseful for His Mãtie's services, more especially for the great improvement of shipp lanthornes, lighthouses, dispersing of lights in mines, and other necessary and like profitable vses which require light & heat, and for all in their several vocations & imployments; to hold to him, his executors, adm̃ors, and assignes, for 14 yeares according to the statute in that case made; with other clauses vsuall in grants of this nature. Teste R̃ apud Westm̃, 27 die Febr̃, 36 Car̃ 2^di. By writt, &^c.

SOMERS.
CRABB.
6th March 1684.

233. NATHANIEL SOMERS and LAURENCE CRABB representing to His Mãtie that whereas by the vsuall way of grinding logwood and all other wood for dying there is much loss in spending and weakning the tincture by adding water and other things to prevent the loss of weight, to the great preiudice of the trade of dying, and that with great charges and paynes they have found out a new invencõn or way of grinding of the said woods, which will wholly prevent the inconveniencies afores^d, and bee of great advantage to the dying trade, His Mãtie hereby grants them, their exec^rs, adm^rs, & ass^es, the sole vse & benefit of the s^d invencõn; to hold for 14 yeeres according to the statute in that case made. Teste R̃ apud Westm̃, 6 die Marcij, 36 Car̃ 2^di. By writt, &^c.

DWIGHT.
12th June 1684.

234. JOHN DWIGHT, geñ, representing to His Mãtie that by his own industry & at his own costs hee hath invented & sett up at Fulham, in coñ Midd^x, severall new manufactures of earthen wares, called by the names of white gorges, marbled porcellane vessells, statues, & figures, & fine stone gorges & vessels, never before made in England or elsewhere, and alsoe discovered the mistery of transparent porcellane & opacous red dark colour'd porcellane or China & Persian wares, & the mistery of Cologne or stone wares, and is endeavoring to settle manufactures of all the s^d wares within this kingdome of England, upon his petiõn His Mãtie is pleased to grant him the sole vse, exercise, & benefitt of the same; to hold for 14 yeeres according to the statute in that case made; with other clauses vsuall in such grants. Teste R̃ apud Westm̃, 12 die Junij, 36 Car̃ 2^di.

MARSHALL. 3rd July 1684.

235. A grant to MARY MARSHALL, widdow, of the sole vse & benefitt of the invencon heretofore found out by her late husband John Marshall, decēd, for the making, stayning, & colouring of stuffe to such a degree that it is and hath been taken for tapistry hangings; to hold to her, her execrs, administrators, & assignes, for 14 yeares according to the statute in that case made; with vsuall clauses. Teste Rege apud Westm̃, die Julij, 36 Car̃ 2di. By writt, &c.

CLIGNETT. 19th July 1684.

236. A grant to JOHN CLIGNETT, esqr, of the sole vse and benefitt of his new invencon of a new engine, much like a callash with two or more wheeles, not subiect to overturning, wherein one or more may travell with great ease & safety, in which perticuler it differs from any coach or collash hitherto made or invented; to hold to him, his executors, adm̃, & assignes, by him, them, or deputie, for 14 yeeres according to the statute in that case made; with vsuall clauses. Teste R̃ apud, 19 die Junij, 36 Car̃ 2di.

DELABADID. 1st August 1684.

237. A speciall lycence granted to JAMES DELABADID for the vse & exercise of his new invencon very vseful for the beautifyeing of cloathes, freezes, & other woollen manufactures of His Matie's kingdoms, in napping the same much better then the manner now used; to hold to him, his exrs, &c, for the terme of 14 yeares according to the statute in that case pvided; with the clauses vsuall in grants of like nature. Teste Rege apud Westm̃, 1o die Augusti, anno 36o Car̃ 2di Rs. By writt, &c. Pigott.

FULLER. 6th August 1684.

238. A grant to ROBERT FULLER, bays maker, of the sole vse and benefitt of his new invencon for making paper & past boards in whole sheets, without peiceing, for hot & cold pressing of cloath, wch will bee of great advantage to the woollen manufacture, & never before practised in England; to hold the same for the terme of 14 yeares according to the statute in that case pvided; wth such clauses as are vsuall in grants of like nature. Teste Rege apud Westm̃, 6o die August̃, anno xxxvjo Car̃ 2di Regis. By writt, &c. Pigott.

HOWARD. BRETT. 28th August 1684.

239. A grant to HENRY HOWARD and RICHARD BRETT, esqes, of the sole vse and benefitt of their new invencon of melting or smelting of copper oare and tinn oare with sea coale or pitt coale by way of furnace, never yet practised in any of His Mātie's kingdomes; to hold to them, their executors, adm̃ors, & assignes, for 14 years according to the statute in that case made; with other clauses vsuall in grants of this nature. Teste R̃ apud Westm̃, 28 die Augusti, 36 Car̃ 2di. By writt, &c.

SKIN. 16th Sept. 1684.

240. A grant to JOHN SKIN of the sole vse and benefit of his new invencon of a way for casting of wormes for alembecks & stills and other vses in tin and copper; to hold to him, his executors, adm̃ors, and assignes, for fourteen yeeres according to the statute in that case made; with other clauses vsuall. Teste R̃ apud Westm̃, 16° die Septembre, 36 Car̃ 2di. By writt, &c.

GASKINS. 2nd Oct. 1684.

241. A grant to JOSHUA GASKINS, of London, mercht taylor, of the sole vse, exercise, and benefitt of his new invencon of beautifying several sorts of cloth, serges, stuffs, and other manufactures of His Mātie's realms by impressing thereon certain indented lines or creases, resembling the wale of tabby or mohair, and thereby watering, damasking, & flowering the same, to the great improvement of the said manufactures; to hold to him, his execrs, admrs, & assignes, for 14 yeares according to the statute in that case made. Teste R̃ apud Westm̃, 2 die Octob̃, 36o Car̃ 2di. By writt, &c.

JACKSON. 2nd Oct. 1684.

242. A speciall licence to CHRISTOPHER JACKSON, gent., to vse and exercise his new invencon for the making writing & printed paper; to hold to him, his exrs & asss, for the terme of 14 yeares according to the statute, and that noe other person presume to practise the same. Teste Rege apud Westm̃, jjo die Octobr̃, anno 36o Car̃ 2di. By writt, &c.

HECKFORD. 12th Nov. 1684.

243. A grant to NATHAN HECKFORD of the sole vse & benefitt of his invencon of making sayles to go the horizontall way, serving for mills & for engines for dreyning of pitts, & other vses, at cheaper rates then ever; to hold for 14 yeares according to the statute. Teste R̃ apud Westm̃, 12 die Novembr̃, 36 Car̃ 2di.

BELLINGHAM. 7th Jan. 1685.

244. A grant to JOHN BELLINGHAM, esq., of the sole vse & benefitt of his new invencon of makeing square window glasses for sashes and coaches excelling the Normandy for strength & clearness, being such as were never heretofore made & vsed in any of His Mãtie's dominions; to hold to him, his executors, admrs, & assignes, for 14 yeers according to the statute in that case made. Teste R̃ apud Westm̃, 7 die Januar̃, 36 Car̃ 2di. By writt, &c.

MOOR. 13th April 1685.

245. A grant to THOMAS MOOR, esqr, licence to exercise his new invencon for making allom or allom glass for medicinall, chirurgicall, metallish, & minerall improvemts; to hold to him, his execrs, &c., for the term of 14 yeares according to the statute, &c. Teste R̃ 13th April, 1 Jac̃ 2di.

BRISCO. 4th July 1685.

246. A grant to JOHN BRISCO of the sole and benefit of his new invencon of makeing English paper for writing, printing, and other vses as good and white as any French or Dutch, which hath been the defect of all other pretenders who have hitherto had patents for making paper here, and that by such meanes & methods as hath not been hitherto found out, whereby much advantage will redound to the publique by that manufacture being made at home, and great numbers of poor people employed thereupon; to hold for 14 yeares according to the statute. Teste R̃ apud Westm̃, 4o die July, primo Jac̃ 2di. By writt, &c.

CORCELLIS. 15th Oct. 1685.

247. A speciall licence granted unto CHARLES CORCELLIS, gent, of ye sole use & benefitt of his new invencon of makeing pitch or tarr, which will p̃serve shipps from being eaten with wormes, of what wood soever they are built, without sheathing the vessells or other matter to careene them; with other clauses usuall in grants of like nature. Teste Rege apud Westm̃, 15o die Octobr̃, 10 Jac̃ 2di. By writt, &c.

SAVILE. 30th Nov. 1685.

248. A grant to HENRY SAVILE, esq., of the sole vse & benefit of his new invencon for the great improvemt both as to ease & vse of all sorts of carts, waggons, & carriages whatsoever going upon 2 wheeles, by applying a 3d wheele, with other addic̃ons entirely new; to hold to him & his assignes for 14 yeeres according to the statute. Teste R̃ apud Westm̃, 30 Novr, 1o Jac̃ 2di. By writt, &c.

DUPIN. DE CARDONELS. DE GRUCHY. PEGNAULT. DE MAY. SHALES. 9th Jan. 1686.

249. A grant unto NICHOLAS DUPIN, ADAM DE CARDONELS, CHAS DE GRUCHY, MARTIN PEGNAULT, JAMES DE MAY, and ROBERT SHALES, of the sole vse and benefit of theire new invencon of makeing all sorts of writing and printing paper, and to imprint His Majestie's arms upon such paper, and have alreadye sett up severall new invented mills & engines for makeing thereof not heretofore used in England; to have, hold, and enjoy the said licence to them, their executors, administrators, and assignes, from the day

of the date of these presents, during the terme of fourteene yeares from thence next ensuing, fully to be compleate and ended, according to the statute in that case made and provided. Teste Rege apud Westm̃, 9° die Januar̃, 1° Jac̃ 2di. By writt, &c.

FINCH. NEWCOMB. BUTLER. 23rd June 1686.

250. JOHN FINCH, JOHN NEWCOMB, and JAMES BUTLER representing to His Mãtie that with great care, costs, & charges they have found out & invented a woven wyre engine, most advantageous for ye use of bakers, millers, mealmen, garblers, glassmen, & such proffessions for the bolting, dressing, sifting, & cleansing of meale to any degree of finenesse, & for cleansing of dust or drosse from all spices or metalles, never yet knowne in this kingdome of England; the advantage whereof will be great to severall, as smiths, turners, weavers, wyredrawers, &c., & instead of useing forreigne manufactory for ye uses aforesaid, will settle a manufactory in this kingdom; His Mãtie is hereby pleased to grant unto ye said John Finch, John Newcomb, & James Butler ye sole use, exercise, & benefitt of theire said invencon; to hold for 14 yeares according to the statute in yt case made & provided; with other clauses & non obstantes as are usuall in grants of this nature. Teste Rege apud Westm̃, 25° die Junij, 2d Jac̃ 2di. p br̃e, &c.

SHAWE. 23rd Nov. 1686.

251. A grant unto JOHN SHAWE of ye sole use & benefitt of his new invencon which by his great study, industry, & charge he hath found out & invented a new way of makeing, marbleing, veining, and finishing of mantle pieces for chimnies, soe as to imitate naturall marble by such waies and meanes as never were before used or exercised in England or any other of His Mãtie's dominions; to hold to him, his heires, executors, administrators, and assignes, for the terme of fourteene yeares according to the statute in that behalfe made and provided; with other clauses usuall in grants of this nature. Teste R̃ apud Westm̃, 23 die Novembr̃, 2do Jac̃ 2di. By writt, &c.

GORDON. 19th Jan. 1687.

252. A grant to Sr ROBt GORDON, knt, of the sole vse and benefit of his new invencon of an engine drawing up water, both at thrusting down and pulling up of the same rodd or pumpstaff, with valves opening from both sides and fast in the middle; to hold for 14 yeers according to the statute in that case made. Teste R̃ apud Westm̃, 19 die Januã, 2 Jac̃ 2di. By writt, &c.

CLERKE. BRENT. CLERKE. 25th Jan. 1687.

253. A grant unto Sr ROBERT CLERKE, ROBt BRENT, & TALBOT CLERKE, esqrs, of the sole use and benefitt of theire new invencon, being severall sorts of furnaces, vessells, wayes, and meanes yt never before knowne in his Mãtie's dominions, for the extracting all metalline bodies, particularly gold, silver, copper, lead, and tinne, out of their ores & mineralls, & reduceing theme into theire respective malleable mettalls, & by the said waies gold & silver is taken out of lead & its ore without the leads being diminished in value gold & silver, &c.; to hold to the said Sr Robt Clerke, Robt Brent, & Talbot Clerke, their exects, admes, & assignes, for 14 yeares according to the statute in yt case made and provided. Teste R̃ apud Westm̃, 25° die Januã, 2do Jac 2di. By writt, &c.

KENT. DAVENANT. AGAR. WARTER. HALE. HALE. 13th August 1687.

254. A grant unto RICHARD KENT, esqr, CHARLES DAVENANT, Dr of laws, THOMAS AGAR, esqr, JNo WARTER, THOMAS HALE, & MICHAELL HALE, gents., of the sole use and benefitt of theire new invencon, works, or manufacture of mil'd lead for sheathing and preservacon of shipps or any other thing whatsoever; to hold to them, theire exects, admes, & assignes, for 14 yeares according to the statute in yt case made & pvided; with other clauses usuall in grants of like nature. T. R̃ apud Westm̃, 13° die Augusr̃, 3 Jac̃ 2di. By writt, &c

ALBEMARLE. 23rd August 1687.

255. A grant unto his Grace the DUKE OF ALBEMARLE, his execs & assignes, of the sole use or exercise of a certaine invencon of saw mills or engines for cleareing of timber of from ye ground in any places within ye collonies or plantacons in America (except New England) for ye terme of 14 yeares according to ye statute in yt case provided; with other clauses usuall. T. R apud Westm, 23 die Augusti, 3tio Jac 2d. By writt, &c.

AYSCOGHE. 26th August 1687.

256. A grant unto HENRY AYSCOGHE, gent., of the sole use & benefitt of his new invencon of teaching psons to walke & remaine under water for ye space of one, two, or three houres without any covering over theire head or body, ye water comeing both round & next theire naked skinn, and soe with their perfect senses to worke or doe any service in recovering and takeing up any goods or merchandizes lost under water with greater ease & vigor then hath ever heretofore beene found out or practised by any other; to hold ye same to the said Henry Ayscoghe, his execrs, admrs, & assignes, for the space of 14 yeares according to the statute in yt case provided; with other clauses usuall. T. R apud Westm, 26o die Augusti, 3o Jac 2di. By writt, &c.

MASON. 3rd Oct. 1687.

257. Whereas JOSEPH MASON, of the citty of Norwich, hath lately invented an engine, by the help of which a weaver may performe the whole worke of weaveing such stuffes as the greatest trade in Norwich now doth depend upon, wthout the helpe of a draught boy, His Matys is therefore gratiously pleased to grant unto the said Joseph Mason, his executors, admrs, & assignes, the sole use and exercise of his new invention for the terme of fourteene yeares according to ye statute in that case made and provided. T. R apud Westm, die Octobris, 3tio Jacobi 2di. By writt, &c.

HOLMAN. 7th Feb. 1688.

258. A grant unto CHARLES HOLMAN, his exetrs, admrs, & assignes, of the sole use & benefitt of his new invencon for makeing a certaine powder, which being put into faire water, beere, ale, or wine, doth immediately turne the same into very good blacke writeing inke, & can be afforded very cheape, to the generall advantage of His Maties subjects, especially those in ye country & att sea; to holde for fourteene years according to the statute in yt case made & provided; with other clauses usuall. T. R apud Westm, 7o die Febr, Jac 2di 4to. By writt, &c.

GERENTE alis DE CLARRANT. VANDENANKER. 19th May 1688.

259. Whereas ANTHONY GERENTE alis DE CLARRANT, esq., together with PETER VANDENANKER, merchant, hath found out a new art or invencon of making three sorts of tarr or pitch; one of which preserves wood from putrefaccon, and from ye gnawing of wormes; the second doth resist fire, and doth not run in any manner of way in the sun; and the third keeps ropes a long space of time, either in the water or in the aire; His Majesty therefore is hereby gratiously pleased to grant unto the said Anthony Gerente alis de Clarrant and Peter Vandenanker the sole use and benefitt of their new invencon; to hold the same for the term of fourteene yeares according to the statute in that case made and provided; with other clauses usuall in grants of this nature. Teste Rege apud Westm, 19o die Maij, 4to Jac 2d. By writt, &c.

STRODE. SNELLING. 8th Sept. 1688.

260. A grant to BERNARD STRODE, esquire, & ROBERT SNELLING, gent, of the sole use & benefitt of theire new invencon of a compound mettall, which drawes soe fine as that it will spin and weave into all sorts of stuffes, & is also fitt for severall other uses; to hold to them, theire executors, admrs, & assigns, for fourteene yeares according to the statute in yt case made & provided; with other clauses usuall. Teste R Westm, 8o die Septembr, 4to Jac 2d. p bre, &c.

CLOWDESLEY. SHERRARD. DUCLEN. November 1688.

261. A grant unto PAULE CLOWDESLEY, WILLIAM SHERRARD, and PETER DUCLEN of the sole use, exercise, and benefitt of a new invencon of makeing, dressing, and enstrateing severall blacke plaine sorts of silkes, called by the name of alamodes, ranforcees, & lutestringes; to hold to them, their executors, admrs, and assignes, for the terme of fourteene years according to the statute in that case made and provided ; and such other covenants, clauses, and provisoes are inserted as were directed by warrant under His Mãtie's royal signe manuall. Teste Rege apud Westm̃,—die Novembr̃, 4to Jacobi scdi.

By writt, &c.

SMARTFOOT. 8th Nov. 1689.

262. His Mãtie is hereby pleased to grant vnto FRANCIS SMARTFOOT, cittyzen of London, lycence for him, his ex̃ors and adm̃s, and his & their workemen, deputies, servants, and agents, to exercise and put in practice a new invencon, by him found out, for the weigheing and takeing upp shipps, guns and goods lost in the sea, & for a man's breathing vnder water, with a pair of lungs fixed to his back as he swims, and the sole working of the said engine or sea crabb in all the seas within His Mãtie's dominions (except from the North Foreland to the westward of the Lizard and islands of Scilly); to hold and enjoy the same to him, his ex̃ores, adm̃rs, & assignees, for the terme of 14 years, and that noe other pson p̃sume to exercise the same; provided that the said Francis Smartfoot, his ex̃ors, administrators, or assignes, give vnto the treasurer or com̃s of the treasury a true account upon oath, to be taken before the barons of the excheqr (as oft as he shall be thereunto required), of all such shipps, guns, goods, &c, as shall be taken vp and recovered within the limitts aforesd, the same to be brought to the port of London, and to answer a full fifth part of what shall be taken vp to His Mãtie's use, and retaine the four fifth parts of all such goods, &c., soe taken vpp to the vse of himselfe, his ex̃ors, adm̃ors, or assignes ; with other usuall clauses. Testibus nob ip̃is apud Westm̃, 8 die Novembr̃, anno p̃dicto.

By writt, &c.

LOFTINGH. 25th Feb. 1690.

263. A grant to JOHN LOFTINGH, a free denizon of England, of the sole vse, exercise, and benefitt of his new invencon of makeing an engine or instrument for the speedy quenching and extinguishing of fires vnexpectedly ariseing in dwelling houses or elsewhere, the same being of great vse for the suppressing thereof at the first breaking forth, whereby much loss & damage may be prevented, and many psons lives saved; to hold to him, his execrs, admes, & assignes, for the terme of fourteene years according to the statute in that case made & provided ; and such other clauses and non obstantes as are usual in grts of the like nature. Testibz nob ip̃is apud Westmr, 25o die Februarij, anno p̃dicto.

By writt, &c.

HODGES. 26th June 1690.

264. A grant unto JOHN HODGES, gentl̃, of lycence to exercise a new invencon for melting & refineing lead oare in close or reverberatory furnaces with pitt coale and sea coale, turfe, peate, or other mixt fewell, and the same will be melted & refined much cheaper by reason of the scarcity of wood, which said invencon was never used in the kingdome of Ireland before; to hold the same to the said John Hodges, his executors, admrs, and assignes, for the terme of fourteene yeares according to the statute in that case made and provided. Testibz nob ipsis apud Westm̃, 26to die Junij, anno p̃dicto.

By writt, &c.

BARKSTEAD. 10th Nov. 1690.

265. A grant to JOHN BARKSTEAD, of London, merchl, of lycence to exercise and putt in practice a certaine invencon, never before vsed in England, of makeing an engine for windeing and throwing of silke, whereby the same may be wrought as cheape and as well as in any pte beyond the

seas ; to hold the same unto the said John Barkstead, his exẽor^{es}, adm^{s}, & assignes, for the terme of 14 yeares according to the statute in that case made and provided. Testib$\overline{z}$ apud Westm̃, 10^{o} 9^{bris}, anno p̃dc̃o. By writt, &c.

PRICE.
7th Feb. 1691.

266. A grant to ROBERT PRICE & others of the sole vse & benefitt of theire new invenc̃on of making saltpetre in greate quantityes, & at farr lesse charge then in the ordinary way; to hold the same for the terme of fourteene yeares according to the statute in that case provided ; with other usual clauses. Testib$\overline{z}$ apud Westm^{r}, 7^{o} Februarij, anno r. R$\overline{ẏ}$ & R Gulielmi & Marie 2^{o}.
By writt.

GREENE.
13th April 1691.

267. A grant to JOHN GREENE, gent$\overline{ł}$, of the sole vse & exercise of his new invenc̃on of a new carriage & way of hanging coaches & charriotts, which for ease & safety of rideing, turning in narrow streetes & lanes, & manner of coachman's sitting, differs from & exceeds all that were ever yet made or invented; to hold to him the said John Greene, his exẽor^{s}, adm^{rs}, & assigns, for the terme of 14 yeares according to the statute in that case provided ; with other usual clauses. Testib$\overline{z}$ apud Westm̃, 13^{o} April, anno p̃dc̃to. By writt, &c.

HOOKES.
DODSWORTH.
12th June 1691.

268. A lycence granted to ROBERT HOOKES and CHRISTOPHER DODSWORTH to exercise and put in practise their new invenc̃on of makeing of metalls, soe as to make glass for windows of more lustre and buty then heretofore, and to make red christall glass of all sorts, and of casting glass, pticularly looking glass plates, much larger than ever were blown in England ; to hold to them, their exẽor^{s}, adm^{s}, and assignes, for the terme of 14 yeares according to the statute in that case provided; with other clauses usuall. Testib$\overline{z}$ apud Westm̃, 12^{o} Junij, anno p̃dc̃to. By writt, &c.

GREEN.
12th June 1691.

269. A grant to JOHN GREEN, gent$\overline{ł}$, of the sole use, exercise, & benefitt of his invenc̃on of making new engines or carriages of certaine shapes and measures to be drawn or driven by man or beast upon one or more wheeles, wherein y^{e} lading is carried about with every revoluc̃on of the wheele, being of great benefitt and service to y^{e} publick; to hold to him, his exẽors, adm^{s}, & assignes, for the terme of fourteene yeares according to the statute in that case provided ; with other clauses usuall in grants of like nature. Testib$\overline{z}$ apud Westm̃, 12^{o} Junij, anno p̃dc̃o. By writt, &c.

NEALE.
26th August 1691.

270. A grant to THOMAS NEALE, esq., of the sole vse and benefitt of a new invenc̃on of making verdigrease, and of boyling the same in wooden or other panns, and alsoe of making panns or vessells of wood for boyling of verdigrease and other things ; to hold to him, his exẽors, adm^{s}, and assignes, for the terme of 14 yeares according to the statute in that case provided; with other clauses vsuall. Testib$\overline{z}$ apud Westm̃, 26^{o} Augusti, a^{o} p̃dc̃to.
By writt, &c.

TYZACKE.
27th Aug. 1691.

271. A grant to JOHN TYZACKE, of Wapping, in the county of Midd^{x}, glassemaker, of the sole use and benefitt of his new invenc̃on of an engine to be worked by one or more men for the well and more easy oyling and dressing of leather and cloth; which may be of great use to all such as doe worke all those, and some other trades, and may be also applycable to the raysing of water, washing of clothes, milling of sugar canes, pounding of mineralls, pounding & bruising of all sorts of goods, pounding of charcoale to make powder of, and pounding & making raggs fitt to make paper, and the like; to hold the same unto y^{e} said John Tyzacke, his exẽo^{rs}, adm^{s}, and assignes, for the terme of 14 yeares according to the statute in that case pro-

vided ; with such prohibitions & clauses as are usuall in grants of like nature. Testiꝺ apꝺ Westm̃, 27° Augusti, anno predc̃o. By writt, &c.

NEALE. 15th Sept. 1691.

272. A grant to THOMAS NEALE of the sole vse and benefitt of his new invenc̃on of well makeing of steele equivalent to Corinthian steele, never yet made in England, with materialls of the native growth; to hold to him, the said Thomas Neale, his ex̃ors, adm̃s, and assigns, for the terme of 14 yeares according to the statute in that case made and provided ; with other vsuall clauses. Testibꝫ apud Westm̃, 15to 7bris, ao ꝑꝺcto. By writt, &c.

NEALE. 15th Sept. 1691.

273. A grant to THOMAS NEALE, esqr, of the sole use & benefitt of his new invenc̃on of making of brasse and thereof plates for kettles and the like, never yet made in England, with materialls of the native growth of this kingdome, which will be of great use and advantage; to hold the same for the terme of 14 yeares according to ye statute in this case made & provided; with such prohibitions and clauses as are usuall in grants of like nature. Testibus apud Westm̃, 15to Septemꝺ, anno predc̃o. By writt, &c.

PHILIPS. 15th Sept. 1691.

274. A grant to Captain THOMAS PHILIPS of the sole use, exercise, and benefitt of his new invenc̃on of making a new sort of mould, which will last many yeares, and may be ready prepared at all times for all sorts of ordnance, whereby the great delay and charge in preparing ordnance for their Maties service will be prevented, being a very usefull invention; to hold the same for the terme of fourteene yeares according to ye statute in that case made and provided ; with other clauses usuall in grants of like nature. Testibus apud Westm̃, 15to 7bris, anno predc̃o. By writt, &c.

SUTTON. September 1691.

275. A grant to WILLIAM SUTTON of the sole use, exercise, and benefitt of his new invenc̃on of ordering all sorts of linnen and woollen cloaths, and other manufactures thereof, and all sorts of silkes, stuff hats, and leather, soe as to make them hold out water, and alsoe for ꝑventing of woollen cloths & manufactures and hats from moths and milldew ; to hold to him, his ex̃ors, adms, and assignes, for 14 yeares according to the statute; with other usual clauses. Testibus apud Westm̃,—die Septembris, anno ꝑꝺcto. By writt, &c.

BARKSTEAD. 22nd Sept. 1691.

276. A grant to JOHN BARKSTEAD of the sole vse, exercise, and benefitt of his new invenc̃on of making callicoes, muslins, and other fine cloathes of the sort out of the cotton wool of the growth and product of their Mãties plantac̃ons in the West Indies; to hold to him, his execs, adms, and assignes, for 14 yeares according to the statute ; with vsuall clauses. Testibus apud Westm̃, 22° die 7bris, anno ꝑꝺcto. By writt, &c.

EDISBURY. 1st Oct. 1691.

277. A lycence to KENDRICK EDISBURY to use and practise his new invenc̃on of certaine rollers to be used under the bodyes of carriages and carts, instead of wheeles, farr more usefull then wheeles, by amending and preserving as well the highways as private grounds, and was never used in England before; to hold the same to him, his ex̃ors, adms, and asss, for 14 yeares, according to the statute in that case provided ; with other clauses usual. Testiꝺ apud Westm̃, 1° Octoꝺ, anno ꝑꝺc̃o. By writt, &c.

PORTER. WHITE. 7th Oct. 1691.

278. A grant to THO. PORTER and JNo WHITE, gen., of the sole use, exercise, and benefitt of their new invenc̃on of keeping and preserving by liquors or otherwise all sorts of flesh, fowle, and fish, and many other things, either in peices or in whole bodyes at a cheaper rate, for many yeares in all clymates, without changing the nature, quality, taste, smell, or colour thereof,

as good, palatable, & wholesome, to be eaten and made use of for any intent & purpose whatsoever, as when first killed or put into such liquor; to hold & enjoy the same for 14 yrs according to the statute; with other clauses usuall. Testiꝺ apud Westm̃, 7° Octoꝺ, año ꝑdc̃o. By writt, &c.

Evance. Tyssen. Holland. Halley. 7th October 1691.

279. A lycence granted to Sr Steph. Evance, Fran. Tyssen, John Holland, and Edmund Halley to exercise and practise their new invenc̃on or engine, whereby by conveying aire into a diveing vessell they can maintaine severall persons at the same time to live and worke safely undr water at any depth for many houres, for the retreiveing & regaining of gold, silver, bullion, money, and all manner of goods and merchandize wreckt and lost at sea; to hold the same to him, his ex̃ors, admrs, & assignes, for 14 yeares according to the statute; with other clauses usuall. Testiꝺ apud Westm̃, 7° Octoꝺ, anno ꝑdc̃o. By writt, &c.

Trefusis. 17th Oct. 1691.

280. A lycence granted to James Trefusis & aꝛ to exercise and practise their new invenc̃on of an engine, consisting of covering vessells and pipes, whereby they are enabled to work severall fathoms under water for divers houres togeather without any want of are; to hold the same for 14 yeares according to the statute; with other clauses usuall. Testiꝺ apud Westm̃, 17 Octoꝺ, anno ꝑdc̃o. By writt, &c.

Holland. 17th Oct. 1691.

281. A lycence granted to Thomas Holland, cl., for the sole use and exercise of his new engine or machine for the raiseing, drawing up, forceing, and dischargeing of water in very great quantities in a short time out of any drowned mines, pitts, coal delphs, and groves, with their sinkes and shaftes, and other places, as also for all manner of dreines, and supplying pipes and conduitts with water in citties and townes, and laying under water dry ground whereunto rivers are adjoyning; to hold to him, his execrs, admrs, & asss, for 14 yeares; with other usuall clauses. Testiꝺ apud Westm̃, 17° Octoꝺ, anno ꝑdc̃o. By writt, &c.

Hemings. 17th Oct. 1691.

282. A grant to Edmund Heming of the sole vse, exercise, and benefitt of his new invenc̃on for making of iron plates tinned over, comonly called tinned plates, as good as those brought from and made in Germany; to hold to him, his ex̃ors, adm̃s, and assignes, for 14 yeares according to the statute; with usual clauses. Testibꝫ apud Westm̃, 17° die Octobris, anno ꝑdcto. By writt, &c.

Hooke. Atkinson. Weale. Nicholls. 19th Oct. 1691.

283. A grant to John Hooke, Samuel Atkinson, Samuel Weale, and Nicholas Nicholls of the sole vse, exercise, and benefitt of a new invented engine, by them found out, by which a man may worke a considerable depth under water for many houres, being made of tymber with glass windows, a doore, and severall air pipes, united leather sleves, and iron braces affixed thereunto; to hold to them, their ex̃ors, adm̃s, and assignes, for 14 yeares according to the statute; with usuall clauses. Testibꝫ apud Westm̃, 19° die Octobris, anno ꝑdcto. By writt, &c.

Gifford. November 1691.

284. A grant unto Nath. Gifford of the sole use, exercise, and benefit of his new invenc̃on, being a new, better, and cheaper way of making all sorts of blew, purple, and other coloured paper by several ways, meanes, methods, engines, and instruments that never yeat were used in England; to hold the same to him, his execrs, admrs, and asss, for 14 yeares according to the statute; with other clauses usuall. Testiꝺ apud Westm̃, — Novemb, anno ꝑdc̃o. By writt, &c.

STAPLETON. 7th Dec. 1691.

285. A grant to JOHN STAPLETON of the sole use, exercise, & benefitt of his new invencon of making, by way of translocation, a fine metall, both white and yellow, knowne by the name of the Nureinburgh mettall; which invencon is peculiarly capable of beating into leafe, whereby the expence and wast of much gold and silver for gilding may be prevented, and for other uses the same may be applyed unto for publick benefitt and advantage; to hold the same to him, his exors, admˢ, & assˢ, for 14 yeares according to the statute; with usual clauses. Testiᵭ apud Westm̃, 7° die Decemᵭ, anno p̃dco.

By writt, &c.

MARSHALL. TESHMAKER. 2nd Jan. 1692.

286. A grant to RALPH MARSHALL and JOHN ENGLEBERT TESHMAKER of the sole use, exercise, and benefitt of their new invencon for making of spinnall yarns, they having erected a bucking house, fitted and prepared a whiteing ground, brought severall workmen out of Germany skilled in making the said spinnall, and hazarded several hundred pounds worth of brown yarn to try the experimᵗ whether the are, water, and other matterials used for doing the same would be propper and effectual here in England, which proves nothing inferior to those in Germany, whereby a great quantity of flax and yarne of the growth of this kingdome will be employed; to hold the same to him, his exors, admˢ, and assˢ, for 14 yeares according to the statute; with other clauses usual. Testiᵭ apud Westm̃, 2° Januar̃, añ p̃dco.

By writt.

GLADWIN. 2nd Jan. 1692.

287. A grant to THOMAS GLADWIN of the sole use, exercise, and benefitt of his new invencon of making a new sort of engine to clear water out of shipps much better then any chaine pumps, and to quench fire in them or in houses upon any accident, & for drayning of mines by a much easier way then ever yet was practised; to hold the same to him, his exors, admˢ, and assˢ, for 14 years according to the statute in that case made; with other clauses usuall. Testiᵭ apud Westm̃, 2° Januar̃, anno p̃dco. By writt, &c.

MORTON. WEALE. 22nd Jan. 1692.

288. A grant to CHARLES MORTON and SAMUEL WEALE of the sole use, exercise, and benefit of their new invented engine, vseful for beating & pounding or stamping of all sorts of minerall oares, & hemp & flax, & may also be applied to many other things that require pounding, beating, or stamping, & if disjoined, pte thereof may be vsefully applyed for the raising and drawing up of oar worke and other things out of mines & coale pitts; to hold to them, their exers, admˢ, and assignes, for 14 yeares according to the statute; with the usual clauses. Testibus apud Westm̃, 22 Jañry, anno p̃dicto.

By writt, &c.

MARSHALL. 22nd Feb. 1692.

289. A grant to RALPH MARSHALL of the sole vse and exercise of making spinnall yarne by waies never practised in England; to hold to him, his exoʳˢ, admˢ, & assignes, for 14 yeares according to the statute; with the usual clauses. Testibꝫ apud Westm̃, 22ª Febr̃ij, annº qᵗᵒ sup̃dicto.

By writt, &c.

DUVIVIEN. 28th Feb. 1692.

290. A grant to ANTHONY DUVIVIEN, esqʳ, of the sole vse, exercise, & benefitt of his new invencon, being a very easie and not costly machine for making a ship go agᵗ wind & tide, which will be of great use and service; to hold the same for 14 yeares according to the statute; with other clauses usuall. Testiᵭ apud Westm̃, 28° Feᵭ, anno 4ᵗᵒ. By writt, &c.

ADDISON. 29th Feb. 1692.

291. A grant to THOMAS ADDISON, esq., of the sole vse and exercise of his new invencon by the use of sea coale and pitt coale to melt or smelt downe

all sorts of iron oar, stone, flaggs, cinders, old broken cast or hammer'd iron, and other materialls, and to refine and make the same into good and merchantable barr iron and other iron, and also into guns, bullets, and other utensils; to hold to him, his exors, admors, and assignes, for 14 yeares according to the statute; with the usuall clauses. Testibus apud Westm, 29th Febrij, 4to anno pdcto. By writt, &c.

Neale. February 1692.

292. A grant to Thomas Neale, esqr, of the sole use, exercise, and benefitt of his new invencon, being a new sort of table to be played upon with balls to fit into small hollows, the same table made so mathematicall & equally placed and inlaid with chances of dice as may prevent all cheating thereat; and having observed that the dice comonly made for some years past were cut very enequal, and that the spotts being filled with wax, such dice might be easily loaded and consequently be made false, and hath also invented a new sort of dice, known by the name of mathematicks, cut perfectly square by a mold, with spotts stained instead of holes filled with wax on them, to prevent deceipts at play; to hold the same to him, his exors, adms, and assigns, for 14 yeares according to the statute; with other usuall clauses. Testib apud Westm, — die Feb, año 4to. By writt, &c.

Hurd. 24th March 1692.

293. A gt to Edward Hurd of the sole use, exercise, and benefitt of his new invencon or art of lacquering, after the manner of japan, to such a degree of curiosity and durableness as to equall any brought from India, and more peculiarly for lacquering upon iron and all sorts of mettalls, exceeding usefull for armour, gunns, and severall other things, the same not being perfected till exposed to all weathers in the open are for severall months; to hold the same for 14 years; with usuall clauses. Testib apud Westm, 24 March, anno pdco. By writt, &c.

Rosse. Johnston. 24th March 1692.

294. Their Maties are hereby pleased to grant to Michael Rosse and James Johnston especiall lycence for the sole use and exercise of their new invencon whereby one man or more may continue and work under water for about the space of a quarter of an hour upon any wreck or wrecks with great freedome and clearnes of sight, and, with the assistance of any person or persons yt can swim, may recover and take up without diving any bullion, plate, &c.; to hold for 14 yeares; with usual clauses. Testib apud Westm, 24o March, año pdcto. By writt, &c.

Williams. Marwood. 22nd April 1692.

295. A grant to John Williams and Sr Humphry Marwood of the sole vse and exercise of their new invencon of taking fish by a light, which they can cause to burn some fathoms under water, with which and a light above water they can draw the fish which are in the compasse of a league in the sea to one place, and thereby take greater quantities and varieties then can be taken with hookes or nets; to hold for 14 yeares; with the usual clauses. Testibz apud Westm, 22d Aprit, 4to anno pdcto. By writt, &c.

Bayly. 22nd April 1692.

296. A gt unto William Bayly of the sole use, exercise, and benefitt of his new invencon of making a new sort of glazed printed hangings, made of cotton, worsted, or woollen yarne, of all sorts of curious figures and landskipps, which for beauty of colours, exactnes of figures, strength, and gloss is hard to be distinguished from the finest silk tapestry hangings brought from forreigne parts; to hold the same for 14 yeares; with usuall clauses. Testib apud Westm, 22o April, anno 4to pdco. By writt, &c.

Poyntz. 23rd May 1692.

297. A grant to Captain John Poyntz of the sole use and exercise of his new invencon for the taking up shipps wrecked, sunk, or foundred, or any goods, merchandizes, or bullion, out of any of the seas or rivers in their Maties dominions; to hold for 14 yeares; with the usuall clauses. Testibz apud Westm, 23to Maij, annoq; supdcto. By writt, &c.

THOMPSON. GRAVES. JOELL. CUTHBERT. 31st May 1692.

298. A grant to ISAAC THOMPSON, Captain BENJAMIN GRAVES, THOMAS JOELL, and JOHN CUTHBERT of ye sole vse and benefitt of their new invented whereby a man may be let down under water, either in the sea or elsewhere, engine, by the assistance of a certain diving habit, which does well secure them from the pressure of the water, and leaves their armes and legs naked and at liberty ; and thereby, and with the help of another engine for pumping of air, the said pson so lett downe may safely continue for an hour at least under water with great freedome and clearnesse of sight, and be capable of doeing any manner of worke during all that time ; to hold for 14 yeares ; with the usuall clauses. Testibz apud Westm̃, 31° Maij, 4to anno sup̃dcto.
By writt, &c.

TATHAM. 28th June 1692.

299. A grant unto JOHN TATHAM, chymist, for the sole use and exercise of his new invenc̃on or engine, consisting of a small copper boyler and wooden vessell of a new invented fashion for brewing and distilling all sorts of liquors and spiritts at farr lesse charge then hath ever been practised ; to hold to him, his ex̃ors, admrs, & assrs, for 14 yeeres ; with usuall clauses. Testiþ apud Westm̃, 28 Junij, año sup̃radc̃o. By writt, &c.

SAMBORNE. 4th July 1692.

300. A grant to THOMAS SAMBORNE of the sole publick exercise, vse, and benefitt of his new invented exercise called Fives (a description of ye place wherein the same is to be vsed is annexed to the patent), which is moderately expensive, and in itselfe innocent and harmless, and very much conducing to the health and refreshment of such as practise it ; to hold for 14 yeares ; with the usuall clauses. Testibz apud Westm̃, 4to July, 4to annoq; supraḋcto.
By writt, &c.

WAINE. 9th August 1692.

301. A grant unto GAB. WAINE of the sole use, exercise, and benefitt of his new invenc̃on for making of pitch and tarr to as great perfection as that which is made and brought from Sweden ; to hold the same for 14 yeares ; with usual clauses. Testibus apud Westm̃, 9o die Augusti, anno supradc̃o.
By writt, &c.

OVERING. 20th Sept. 1692.

302. A grant to JOHN OVERING of the sole use, exercise, and benefitt of his new invented engine to convey air into pipes by new contrived bellows, with plates covered with leather for securing the head and reteyning the air about the vpper pte of the body, and gives liberty for a man to see, walke, and worke a considerable time in many fathom under water ; to hold for 14 yeares ; with the usual clauses. Testibz apud Westm̃, 20o 7bris, 4to annoq; supraḋcto. By writt, &c.

DALLOWE. 22nd Sept. 1692.

303. A grant unto PHILIP DALLOWE of the sole use, exercise, and benefit of his new invenc̃on of making grenado shells of glass ; to hold the same for 14 yeares ; with usual clauses. Testiþ apud Westm̃, 22o die Septemb̃, año supradc̃o. By writt, &c.

BAYLY. 18th Oct. 1692.

304. A grant unto Wm BAYLY of the sole use, exercise, and benefitt of his new invenc̃on for printing all sortes of paper of all sorts of figures and colours whatsoever, with severall engines made of brasse and such other like metalls, with fire, without any paint or staine, which will be usefull for hanging of roomes and such like uses ; to hold the same for 14 yeares ; with clauses usuall. Testibus apud Westm̃, 18vo Octob̃, anno supradc̃o. By writt, &c.

GIFFORD. 18th Oct. 1692.

305. A grant to NATHANIEL GIFFORD of the sole use, exercise, & benefitt of his new invenc̃on of beautifying, figuring, imprinting, and embelishing of blew and other coloured pap ; to hold for 14 yeares ; with the usuall clauses. Testibz apud Westm̃, 18vo Octobris, 4to supradicto. By writt, &c.

WILLIAMS. 2nd Dec. 1692.

306. A grant to JOSEPH WILLIAMS of the sole use and exercise of his new invented engine, consisting of screws, wheeles, and wrenches, whereby he is able to draw and raise great weights with much more ease and advantage then by any other waies and meanes now practised, and will be of great vse in raising mineralls, buildings, and merchants goods, loading and unloading shipps, &c.; to hold to him for 14 yeares according to the statute; with the usual clauses. Testibus apud Westm̃, 2° die Decembris, 4to annoq; supradicto. By writt, &c.

HUTTON. 1692.

307. A grant to THOMAS HUTTON, gentl, of the sole vse and exercise of his new invenc̃on of making pap in greater quantities, and with lesse charge and labour and more advantage than ever hath been yet practised, by a mill or engine to be driven either by wind, sailes, or water wheels, and to worke eighty or more stampers at once, all different from all other mills now used, both for forme, opperac̃on, or vse, which mill hath another engine for raising great quantities of water, vsefull in the draining of lead mines, coale mines, and other like drainings; to hold for 14 yeares according to the statute; with the usual clauses. Testibus apud Westm̃, — die —, 4to anno sp̃dicto. By writt, &c.

WILLIAMS. 1692.

308. A grant to JOHN WILLIAMS of the sole vse and exercise of his new invented engine for the carrying of foure men fifteene fathom or more under water in the sea, whereby they may worke 12 houres together without any danger; which said engine will be of great vse for the taking upp of wrecks and shipps that have been and shall be lost in the sea; to hold for 14 yeares; with the usual clauses. Testibus apud Westm̃, — die —, 4to anno p̃dcto. By writt, &c.

DOUGHTY. TYZACHE. LE GROSSER. BARRY. MELL. 1692.

309. A grant to ROBERT DOUGHTY, JOHN TYZACHE, TOBIAS LE GROSSER, RICHARD BARRY, gentl, & JAMES MELL, merchant, of the sole vse and exercise of their invenc̃on of tanning all sorts of skins for leather, without making vse of the ingredients now vsed for tanning of leather, and alsoe for converting some sorts of the said leather in imitation & with the same tincture, graine, and smell of Russia leather; to hold for 14 yeares; with the usual clauses. Testibꝫ apud Westm̃, 18 die —, 4to anno p̃dicto. By writt, &c.

SMITH. 1692.

310. A grant to ANTHONY FORESTER SMITH of the sole vse and exercise of his new invenc̃on for boyling and heating water and other liquors, and for melting and refining sugars, and all other things that are done by fire; to hold for 14 years; with the usual clauses. Testibꝫ apud Westm̃, — die —, anno p̃dicto. By writt, &c.

NATION. DEWEE. PUCKLE. 17th Jan. 1693.

311. A grant to GEORGE NATION, JOHN DEWEE, and THOMAS PUCKLE of the sole use and exercise of theer new invented engine, consisting of screw wheeles, long tumblers, and prop to raise, lift up, or lett downe with ease and speed the greatest weight some scores of fathoms, prop for weighing of shipps, guns, anchors, and raising the heaviest stones to the top of the highest buildings, craning of goods, bearing of timber, pounding and grinding of mineralls or other heard substances; to hold for 14 yeares according to the statute; with the usuall clauses. Testibꝫ apud Westm̃, 17th Jañry, 4to annoq; supradicto. By writt, &c.

HODGESON. 31st Jan. 1693.

312. A grant unto MARMADUKE HODGESON, geñ, for the sole use and exercise of his new invenc̃on for making a moc̃on worke or engine, whereby water & other liquors may be raised and discharged in the greatest quan-

tities, and from any depth to any height given, in much shorter time and with les costs and charges then any other heretofore invented; to hold the same for 14 yeares; with usuall clauses. Testiꝺ apud Westm̃, 31mo die Januarij, anno supradc̃o. By writt, &c.

REEPE. 31st Jan. 1693.

313. A grant to JOHN REEPE, junr, of the sole use, exercise, and benefitt of his new invented engine or machine for making and twisting of whipps, in which there is much firmer, more regular, and better worke then any heretofore; to hold for 14 years; with the usuall clauses. Testibꝫ apud Westm̃, 31o Jañry, 4o annoq; supradicto. By writt, &c.

GREEN. 31st Jan. 1693.

314. A grant to JOHN GREEN of the sole use, exercise, and benefitt of his new invenc̃on by him found out, being a way for converting stone and chalk into lime, that by the heat thereof water or other liquors or liquids may be heat or boyled and made fitt for several uses, which will be of publick advantage; to hold the same for 14 yeares; with clauses usuall. Testiꝺ apud Westm̃, 31o Jañ, año p̄dc̃o. By writt, &c.

HADLEY. 3rd March 1693.

315. A grant to JOHN HADLEY, engineer, of the sole use, exercise, and benefitt of his new invenc̃ons, whereby a motive power or faculty is obtained from the ebbing & flowing of ye water operating on a vessell floating thereon, which said vessell, by its rising and falling with ye water, gives moc̃on to all manner of movements, as mills, engines, &c.; an invenc̃on of horizontall wheeles or engines to move in or under the water by the water, or out of the water by wind, differently framed as the worke may require; an invenc̃on of raiseing and letting downe all sorts of verticall wheeles of comon use, rendring them thereby more usefull in uncertain waters by rightly taking the streame att all heights of water; an invenc̃on of engines moved by wind, usefull for drawing severall machines and carriages instead of horses; a contrivance of measuring time, a more compendious way with one wheele only, which will goe much more exact then movemts with multiplicity of wheeles; to hold the same to him, his ex̃ors, admrs, & assrs, for 14 yeares; with usual clauses. Testiꝺ apud Westm̃, 3tio die Marcij, anno supradc̃o. By writt, &c.

AUSTIN. BALL. 6th March 1693.

316. A grant to JAMES AUSTIN, esqr, & FRANCIS BALL of the sole use, exercise, & benefitt of their new invenc̃on of a certain machine or charriott of artillery, which is muskett proof, and so contrived as to hold two falconetts or small feild peices, and two hand morters, to be used by the party sitting in the charriott, and may be conveyed many miles a day with great ease and expedic̃on, which will be very usefull for our armies here and elsewhere; to hold for 14 yeares; with usuall clauses. Testibꝫ apud Westm̃, 6to Marcij, anno supradc̃o. By writt, &c.

SMITH. PUCKLE. 7th March 1693.

317. A grant to MARSHALL SMITH and THOMAS PUCKLE, gentl, of the sole use, exercise, and benefitt of their invenc̃on, being an art of making a composic̃on with wood to runn liquid into moulds, which equals for use and durableness any solid wood, usefull for beautifying roomes and embellishing cabinetts, &c.; to hold to them, their execrs, admrs, and assigns, for 14 yeares according to the forme of the statute. Testibꝫ apud Westm̃, 7th Marcij, ao supradc̃o. By writt, &c.

STAPLETON. 17th March 1693.

318. A grant to JOHN STAPLETON, gentl, of the sole use and benefitt of a new engine soe by him contrived as to pmitt a pson, inclosed in it, to walk under water; and of a new invented way to force air into any depth of water, to supply the pson in the said engine therewith, and for continuing a lamp burning

under water ; and of another engine which will swim upon the water in the most violent stormes, and being inverted and supplied with air, a pson inclosed therein may sink to the bottom and ascend again at pleasure ; and of a way to deserate and purifye the air, soe as to make the same again serviceable for respiracõn, so that a man may remaine a long time under water in either of the said engines without any other air than what the said engines doe contain ; to hold the same to him the said John Stapleton, his execrs, admrs, and assignes, for 14 yeares according to the statute ; with the usuall clauses. Testibꝫ apud Westm̃, 17° Marcij, anno supradcõ. By writt, &c.

Lofting. 4th April 1693.

319. A grant to Mr Lofting of the sole makeing, use, and vending of a certaine engine or instrument for the making of thimbles for men, women, and children ; to hold to him, his executors, admrs, and assignes, for 14 years according to the statute ; with the usual clauses. Testibꝫ apud Westm̃, 4 Aprił, ao supradcõ. By writt, &c.

Poyntz. 17th April 1693.

320. A grant to Captain John Poyntz of the sole use, exercise, and benefitt of his several invencõns under water for scouring rivers, harbours, channells, creeks, roads, rivuletts, mill dams, &c., which are dammed, choaked, and almost filled up with sand, mudd, gravell, &c ; to hold to him, his exors, admrs, and assignes, for 14 yeares according to the statute ; with the usuall clauses. Testibꝫ apud Westm̃, 17° Aprił, ao supradcõ. By writt, &c.

Bushnell. 29th April 1693.

321. A grant unto John Bushnell of the sole use, exercise, and benefitt of his new invencõn, being a mathematicall machine that will effectually draine all manner of mines and meares, and consequently produce a desirable profitt to the subjects who have any mines or lands which be overflowed and ruined by water, and will also very dexterously raise up any ship sunk at sea, and secure them from the dangers which may happen by springing of leakes, much exceeding any devise heretofore used in such cases ; to hold the same for 14 yeares according to the statute ; with usuall clauses. Testibꝫ apud Westm̃, 29 Aprl, ão supradcõ. By writt, &c.

Sylvanus. April 1693.

322. A grant unto Geo. Sylvanus of the sole use, exercise, & benefitt of his new invencõn, being a way of making a new & extraordinary mixture of wax and other ingredients known by the name of the German balls, which are of great use for beautifying and preserving any sort of leather, and being used for coaches will preserve the same much better and longer than anything now used, and prevent any wett entring into bootes or shooes ; to hold the same for 14 yeares according to the statute. Testibꝫ apud Westm̃, — die Aprł, ano s̃pradcõ. By writt, &c.

Kemp. 21st July 1693.

323. A grant to Abraham Kemp of the sole use and benefitt of his new invencõn of making orchall and litmus, commonly called lackmas, not practised in England, other nations having made it their businesse in their dying trade to intermix this mistery in their severall colours, pticularly in scarletts, crimsons, clarett colours, blews, purples, and others, whereby they have rcõed advantage, and the like will be to the public in England ; to hold to him, his exors, admrs, and assrs, for 14 yeares according to the statute. Testibꝫ apud Westm̃, 21 Julij, ao supradcõ. By writt, &c.

Losvelt. 19th Sept. 1693.

324. A grant unto Cornelius Losvelt of the sole use, exercise, and benefitt of his new invencõn or engine for raiseing of water and craining and lifting of goods and other things of weight by an artificial flux and reflux of water ; to hold and enjoy the same for 14 yeares according to the statute ; with usuall clauses. Testib apud Westm̃, 19° Septem̃, ano supradcõ. By writt, &c.

ELLISTON. DODSWORTH. WEALE. MAN. 19th Sept. 1693.

325. A grant to MATHEW ELLISTON, ROBERT DODSWORTH, SAMUEL WEALE, and ROBERT MAN of the sole use and benefitt of their new invented wayes of manufacturing and ordering certain roots and barkes with other ingredients, soe as to make them very vsefull for dyeing of silkes, wrought and unwrought, and woollen and linnen cloath, in many sorts of coloures in grain and otherwise, with or without fire, and will be alsoe vsefull for limners and painters, and for perforating glasse, and for divers other purposes; to hold to them, their exors, admrs, and assignes, for 14 yeares according to the statute; with such other clauses as are usuall in grants of the like nature. Testibz apud Westm, 19° 7bris, supradco. By writt, &c.

ELLISTON. WINTER. 9th Oct. 1693.

326. A grant unto MATHEW ELLISTON and THO. WINTER of the sole vse, exercise, and benefitt of their new invencon, being a new sort of mills moved with jackworks and wheeles as by the strength of men only, without the help either of wind or water, to grind corne and move saws, very vsefull where other mills are not, as in the West Indies; to hold and enjoy the same for 14 yeares according to the statute; with usuall clauses. Testib apud Westm, 9° Octob, anno supradco. By writt, &c.

POYNTZ. 24th Oct. 1693.

327. A grant to Capt. JOHN POYNTZ of the sole use, exercise, and benefitt of his several invencons, consisting of divers instruments of wood, iron, and steele, and other materialls for raising of water, as well from standing water as running streames, to goe of itselfe ppetually, to pforme any millworke or other worke it shall be put unto; to hold to him, his exors, admrs, & assignes, for fourteene yeares according to the statute; with the usuall clauses. Testibz apud Westm, 24to 8bris, anno supradco. By writt, &c.

BENNETT. October 1693.

328. A grant to THOMAS BENNETT, gentl, of the sole use and benefitt of his new invented way of makeing salt, which for all use is better then any forreigne salts; to hold to him, his exors, admors, and assignes, for 14 yeares according to the forme of the statute; with such clauses as are vsuall in grants of the like nature. Testibz apud Westmr, — 8bris, ao supradco.

CLOUGH. 9th Dec. 1693.

329. A grant to PR CLOUGH, esqr, of the sole use, exercise, and benefitt of his new invencon, being a way for making three sortes of tarr or pitch; one that preserves wood from putrefaction and the gnawing of wormes; the 2d, that resists fire and doth not runn in the sun; and the 3d that keeps ropes a long space of time either in water or aire; to hold and enjoy the same for 14 yrs according to the statute; with usual clauses. Testibz apud Westm, 9° Decembre, anno supradco. By writt, &c.

EELE. HANCOCK. PORTLOCK. 29th Jan. 1694.

330. A grant to MARTIN EELE, THO. HANCOCK, and WM PORTLOCK of the sole use, exercise, and benefitt of their new invented way of extracting and making great quantityes of pitch, tarr, and oyle out of a sort of stone, of which there is sufficient plenty in Engl and Wales; to hold to them, their exors, admors, and assignes, for 14 yeares according to the statute; with the usual clauses. Testibz apud Westm, 29 Jañ, ao supradco. By writt, &c.

TYZACK. 12th Feb. 1694.

331. A grant to JOHN TYZACK, mchant, of the sole use, exercise, and benefitt of his new invented night engine, which, being sett in a convenient place in any house, will give timely notice to the inhabitants in case any thiefe or housebreaker should attempt to break in, and thereby be a means to pvent robberyes and murthers; to hold to him, his exors, admrs, and assignes, for 14 yeares according to the statute; with the usual clauses. Testibz apud Westm, 12° Febr, ao 5to, &c. By writt, &c.

POUSSETT. 10th April 1694.

332. A grant unto FRANCIS POUSSETT of the sole use, exercise, and benefitt of his new invencon, being a new way of preparing crapes and all other sorts of woollen stuffes and silks in flowers, ramages, and in all other figures whatsoever, before they be dyed, but which appeares after the dyeing of them by the dyers in different colours upon the same piece, which has never yet been practiced; to hold and enjoy the same for 14 yeares according to the statute; with usuall clauses. Testibz apud Westm̃, 10 Apr̃, año supradco.

By writt, &c.

WINBALL. 10th April 1694.

333. A grant to SAMUEL WINBALL, gentl, of the sole use, exercise, and benefitt of his new invented diveing engine, framed and consisting of brasse, lead, iron, and other mettalls and materials, by which said engine one or more pson or psons may descend into the sea, altho' at the depth of 20 fathom or more, and there remaine by the space of 24 houres; and by means of the strength and contrivance of the said engine, the pson or psons within the said machine are safely secured from any pressure or inconveniencye of the water, and have pfect freedome of air and breathing, and likewise free liberty of seeing whatever is in the water, and of useing his or their handes and bodyes, whereby any thing may be fastned to whatever is in the bottom; to hold to him, his execrs, admrs, and assignes, for fourteene years according to the statute; with the usual clauses. Testibz apud Westm̃, 10° Aprił, a° supradco.

By writt, &c.

WATKINS. 27th April 1694.

334. A grant unto JOHN WATKINS, gent., of the sole use, exercise, and benefitt of his new invencon, being a way for smelting or melting down all sorts of tyn oare, and making the same into good and merchantable tyn by the use of pitt coale and seacole, without any charcoale or wood, which will be of publick advantage; to hold and enjoy the same for 14 yeares according to the statute; with usuall clauses. Testibz apud Westm̃, 27° Apr̃, año supradco.

By writt, &c.

RICHARDS. 29th Sept. 1694.

335. Their Maties are hereby pleased to grant to Colonel JACOB RICHARDS the sole use, exercise, and benefitt of his new invencon of several small engines of divers kinds, to be safely and advantageously made use of on board any frygatts or merchant shipps belonging to any of our subjects, whereby any number of French or other enemies shall be immediately destroyed upon their boarding any such merchant shipps or frygatts. Testibz apud Westm̃, 29no die Septemb, anno pdco.

By writt, &c.

THENNEMAN. 17th Oct. 1694.

336. Their Maties are hereby pleased to grant unto SYMON THENNEMAN, of London, merchant, especiall lycence for the sole use and exercise of his new invencon to print upon oyle cloath, and all sorts of leather, gold and silver flowers, and other figures in all sorts of colours, which will endure wett and drye, and last as long as the stuffe itself; to hold and enjoy the same to him, his executors, admrs, and asss, for 14 yeares according to the statute in that case provided; with other usual clauses. Testib apud Westm̃, 17mo Octobr̃, anno supradco.

By writt, &c.

JOYCE. EAST. 20th Oct. 1694.

337. Their Maties are hereby pleased to grant unto GEORGE JOYCE and PETER EAST, gentl, a speciall lycence for the sole use and exercise of their new invencon of an instrumt, which, being applyd to organs, clocks, or any other key instrument, as harpsicord, virginalls, or the like, will cause the same too chyme or playe any mannere of tune, air, or notes plain, or perform a consort, and alterable to any tune or air in halfe an hour by any person, tho' noe master of musick, without changing the instrument; to hold and enjoy the

same to him, his exors, admors, and asss, for 14 yeares according to the statute in that case made and provided ; withe other usuall clauses. Testib apud W., 20mo Octobr, anno supradco. By writt, &c.

Barbon. 18th Dec. 1694.

338. A grant to Nicholas Barbon, dr in physic, of the sole use, exercise, and benefitt of his new invencon (being a certaine mill or engine and method never before used or knowne) for raising water out of the Thames, or any other river within the flux and reflux of the sea, without the use of horses or other beasts, whereby the inhabitants of London and Westminster, and elsewhere, may be conveniently supplyed with water at cheaper rates then hitherto they have been, to the great ease and benefit of the subjects ; to hold and enjoy the same to him, his execrs, admrs, and asss, for 14 years according to the statute in that case made and provided ; with usual clauses. Testibz apud Westm, 18tio die Decembr, anno supradco. By writt, &c.

Oliver. 6th April 1695.

339. A grant unto Peter Oliver, gen, of the sole use, exercise, and benefitt of his new invencon, being an engine for the beautifying of all manner of linnen cloath, callicoes, silks, and stuffes bare of wool, paper, and pastboards, by glazing, slicking, and smoothing of the same much better and finer than is now used or done ; to hold the same for the terme of 14 years according to the statute; with usual clauses. Teste Rege apud Westm, 6to Apr, anno supradco. By writt, &c.

Ledgingham. 12th July 1695.

340. A grant unto Robert Ledgingham, merchr, of the sole use, exercise, and benefitt of his new invencon of making a sort of chaine pumps and hand pumps, which are more serviceable and of greater advantage for shipps of war and merchr shipps then any that have been hitherto discovered, both in regard of carrying off near double quantity of water, and withall the sheltring very much the men exposed to shott ; to hold and enjoy the same to him, his execrs, admrs, and assignes, for 14 years according to the statute in that case made and provided ; with usual clauses. Testib Thoma Archiepo Cantuar et ceter custod et justicar Regi apud Westm, 12o Julij, anno supradco. By writt, &c.

Ardesorf. 2nd August 1695.

341. A grant unto Charles Ardesorf of the sole use, exercise, and benefitt of his new invencon, being a new invented composicon, which will preserve shipps from the wormes, insomuch that any shipp may by vertue of the same continue at sea for the space of 4 or 5 yeares without receiving any damage from the wormes ; to hold and enjoy the same to him, his exors, admrs, and assignes, for the term of fourteen years according to the statute in that case provided; with usuall clauses. Testib Thoma, etc, 2d Augusti, anno supradco. By writt, &c.

Quare. 2nd August 1695.

342. A grant unto Daniel Quare of the sole use, exercise, and benefitt of his new invencon of making a portable weather glasse or barometer, which may be removed and carried to any place, though turned upside down, without spilling one drop of the quicksilver or letting any aire into the tube, and that nevertheless the aire shall have the same liberty to operate upon it as on those comon ones now in use with respect to the weight of the atmosphere ; to hold and enjoy the same to him, his execrs, admrs, and asss, for the terme of 14 years according to the statute in that case provided; with usuall clauses. Testib Thoma, &c., 2do die Augti, anno supradco. By writt, &c.

Lane. 2nd August 1695.

343. A grant unto Ralph Lane, merchr, of the sole use, exercise, and benefitt of his new invencon for making and producing colours in cloth and all other sorts of manufactures in woollen or silk, simple or compound, in figures, flowers, forestry, and landskipps, and dying on one side only by divers

wayes and meanes; to hold and enjoy the same to him, his execrs, admrs, and asss, for 14 yeares according to the statute in that case provided. Testiꝺ Thoma, &c,—die Augti, anno supradcõ. By writt, &c.

Booth. Houghton. Tompion. 23rd Sept. 1695.

344. A grant unto Edward Booth and William Houghton, geñ, and Thomas Tompion, clockmaker, of the sole use, exercise, and benefitt of their new invencõn of a new sort of watch or clock, with the ballance wheele or swing wheele either flat or hollow, to work within and cross ye center of the verge or axis of the ballance or pendulum, with a new sort of teeth, made like tinter hooks, to move the ballance or pendulum withall, and the palletts of the axis or verge of the ballance or pendulum are to be circular, conclave, and convex, which will make such watch or clock goe more true and exact, and be of greater use both at sea and land then any heretofore made; to hold and enjoy the same to them, their execrs, admors, and asss, for the terme of 14 yeares according to the statute in that case made and provided; with usual clauses. Testiꝺ Thoma archiepõ, &c., 23tio die Septembr̃, año supradcõ. By writt, &c.

Cottey. 15th Nov. 1695.

345. A grant unto Abell Cottey of the sole use, exercise, and benefitt of his new invencõn, being a new sort of engine for the cutting and rapeing of logwood and other sorts of wood used by and fitt for dyers, which may easily be wrought by hand or horse labour and by water, and may be scituated in any place, and be wrought at any season, and is fitt to imploy a great number of poor; to hold and enjoy the same to him, his execrs, admrs, & asss, for the terme of 14 yeares according to the statute in that case made and provided; with usuall clauses. Teste Rꝫ apud Westm̃, 15o die Novembr̃, anno supradcõ. By writt, &c.

Mathews. Ferrers. 14th Dec. 1695.

346. A grant unto Thomas Mathews & Thomas Ferrers of the sole use, exercise, & benefit of their new invencõn of damasking, strikeing, & fixing of colours into leather, and all sorts of stuffs, cloths, & velvetts, & haire, on both sides, & also the makeing of tapestry with grogram yarne by diverse wayes & meanes never before used in this kingdom, & which will bee of greate use & benefitt to the publique; to hold & enjoy the same to them, their execrs, admrs, & assigns, for the term of fourteene yeares according to the statute; with usual clauses. Teste apud Westmr, 14o die Decem̃, anno supradcõ. By writt, &c.

Savery. 10th Jan. 1696.

347. His Mãty is hereby pleased to grant unto Thomas Savery, gentleman, especiall licence for the sole exercise of his new invencõn, consisting of mill worke to grind & polish looking glasse, & coach glasse plates, & marble stones, & also for rowing of ships, with greater ease & expedicõn then has hitherto bin done by any other; to hold for the term of 14 yeares according to the statute; with the usuall clauses. Teste Rege apud Westm̃, 10o die Jañry, anno supradcõ. By writt, &c.

Jones. 24th Jan. 1696.

348. A grant unto Evan Jones of the sole use, exercise, & benefit of his new invencõn, being an engine which, by reason of the easinesse, quicknesse, & strength of its mocõn, will be of far greater benefit & advantage then any thing ever yet practised for the raiseing of water out of mines & coale pitts, & for the blowing of the bellows & workeing the hammers in the melting & foreging of iron, copper, & other mettalls, & is convertible to the supplying the defects or want of wind or water in calm & dry seasons to all sorts of mills, & to other uses of the like nature; to hold for the terme of fourteene yeares according to the statute; with the usuall clauses. Teste Rege apud Westm̃, 24o die Janry, anno supradcõ. By writt, &c.

BUTTALL. 6th March 1696.

349. His Mãty is hereby pleased to grant unto SAM BUTTALL especial lycence for the exerciseing of his new invencons for raiseing & discharging water out of mines, meeres, ponds, and vessells, & pipes, & other instruments & meanes, exercised in a different manner from any hitherto used, & that the same will be of great advantage, not only to the publiq, but to private familys; to hold for the terme of fourteene yeares according to the statute in that case provided; with other usuall clauses. Teste Rege apud Westm, 6° die Marcij, anno octavo Willi Tertij. By writt, &c.

OGILBY. 21st April 1697.

350. A grant unto Colonel BARTHOLOMEW OGILBY of the sole use, exercise, and benefitt of his new invencon, being an engine which will prevent the overturning of any sort of carriages, whether coach, cart, or waggon, makeing them go much lighter and easier, and keeping them in the same scituation both uphill and down, even in the worst roade; to hold for the terme of 14 yeares. Teste Rege apud Westm, 21° die Aprilis, anno supradco.

LYDALL. 4th Sept. 1697.

351. A grant unto ROBERT LYDALL, gen, of the sole use, exercise, and benefitt of his new invencon of separateing silver from lead, and makeing litheridge and red lead of the lead when parted, performed in a close furnace with sea coales; to hold for the term of fourteene yeares according to the statute; with usuall clauses. Testib Thoma, &c., 4to die Sepi, anno supradco.

OLDNER. PRUNE. 24th Sept. 1697.

352. His Matie is hereby pleased to grant unto GEORGE OLDNER, senr, and ANDREW PRUNE a speciall lycence for the exercise of a new invencon, by them found out, for the better pserving all sorts of shipps or vessells for navigacon, already built or hereafter to be built, from foundring, either at sea or in any harbour, bayes, rivers, or creekes, by reason of any leakes from great shot, or by wainеholmes, or by want of good cawking, or by decay of cawking, &c.; to hold to them, their exors, admors, & assigns, for the terme of fourteene yeares according the statute in that case provided; with the vsuall clauses. Testib Thoma, &c., 24° die Septemr, anno supdco.

VAN DAALEN. 25th Feb. 1698.

353. A grant unto JAMES VAN DAALEN of the sole vse, exercise, and benefitt of his new invencon, being an engine or carriage with four wheeles & double troubles, which open in the middle & shoot out the load at once & return into their places againe, wch is wrought together wth stellings & schrages or stages that are removed, & wrought either with or wthout wheeles, in such manner as was never before practised in England; to hold & enjoy the same for the terme of fourteene yeares according to the statute; with usual clauses. Teste Rege apud Westm, 25 die Feb, anno supdco.

GREW. 15th July 1698.

354. A grant to NEHEMIAH GREW, doctr in physic, of the sole exercise and benefit of an invencon for makeing the salt of the purgeing waters pfectly fine, in large quantities and very cheap, so as to be comonly pscribed & taken as a generall medicine; to hold for 14 yeares; with vsuall clauses. Teste Rege apud Westm, 15° die July, anno supradict. p bre, &c.

YARNOLD. 19th July 1698.

355. A grant to JOHN YARNOLD, esq., of the sole use & exercise of an invencon for draining mines, meares, & marshes, & raiseing waters for supplying the inhitants of any townes, villages, & houses as wants the same; to hold the same for 14 yeares; with vsuall clauses. Teste Rege apud Westm, 19° July, anno supradco. p bre, &c.

SAVERY. 25th July 1698.

356. A grant to THOMAS SAVERY, gentl, of the sole exercise of a new invencon, by him invented, for raiseing of water, & occasioning moc on to all sort of mill works, by the impellent force of fire, which will be of great use

for draining mines, serveing towns w^th^ water, & for the workeing all sorts of mills where they have not the benefit of water nor constant winds; to hold for 14 years; with vsuall clauses. Testibus apud Westm̃, 25° die Julij, anno supradc̃o. p br̃e, &c.

POUSSET. 2nd Sept. 1698.

357. A grant to FRANCIS POUSSET of the sole vse and exercise of a new invenc̃on for makeing black silk crape & white silk crape; to hold for 14 yeares; with vsuall clauses. Teste Thoma, &c., apud Westm̃, 2° die Septembris, anno supradicto. p br̃e, &c.

GROVES. REEVE. 28th Nov. 1698.

358. A grant to JOHN GROVES & THOMAS REEVE, of Chipping Norton, in the county of Oxon, of the sole vse & exercise of a new invenc̃on, by them found out, for drying of malt upon iron or iron tinn'd, by w^ch^ meanes it is dryed with half the fuell & in much less time then the com̃on way, without any danger of fire; to hold for fourteen years; with vsuall clauses. Testibus Thoma, &c., apud Westm̃, 28 die Novembris, anno supradc̃o. p br̃e &c.

FLEETWOOD. BOOTH. LIDDELL. 1st Dec. 1698.

359. A grant to THOMAS FLEETWOOD, esq., EDWARD BOOTH, and JOHN LIDDELL, gent̄, of the sole use and exercise of a new invented engine for the draining of water, w^ch^ with ladles or forcers turning circularly about their axes drives the water progressively through a trough or channell into a pipe or tube, which conveys the water soe driven to the designed place or height; to hold for fourteen years; with vsuall clauses, &c. Testibus Thoma, &c., apud Westm^r^, primo die Decembris, anno supradc̃o. p br̃e, &c.

BARD. 16th Feb. 1699.

360. A grant to NATHANIEL BARD, esq^re^, of the sole use and exercise of a new invented engine for levelling & p̃serving the roads & highways of the kingdom of Engl̄; to hold the same for 14 yeares; with usuall clauses therein inserted. Teste R̃ apud Westm̃, 16^th^ February, anno supradc̃o. p br̃e, &c.

SHALLCROSS. 10th March 1699.

361. A grant to JOHN SHALLCROSS, esq^r^, of the sole use & exercise of new invented sorts of tyles or bricks, wherewith to lay the floores of kilnes for the drying malt, oates, or any other graine more speedily, & w^th^ much less fire then the com̃on way; to hold for 14 yeares; with vsuall clauses. Teste R̃ apud Westm̃, 10° die Marcij, anno supradc̃o. p br̃e, &c.

BAYLY. BENNETT. CRABB. EVANS. BAYLY. 10th April 1699.

362. A grant unto ABRAHAM BAYLY, esq^r^, ISAAC BENNETT, ISAAC CRABB, ARTHUR EVANS, & JOHN BAYLY, gent^n^, of the sole use and exercise of a new invention, by them contrived and found out, for the drawing of low wines & spiritts from turnepps, carrotts, & parsnepps, sufficient in quantity and quality both for the consumpc̃on within and trade of this kingdom, and cheaper and better then any distilled from corne; to hold the same to them, their exec^rs^, admins^trs^, & assignes, for and during the term of 14 years according to the statute in that case provided. Teste Rege apud Westm̃, 10° die Aprīl, anno supradc̃o. p br̃e, &c.

HILL. HILL. 11th May 1699.

363. A grant to JOHN HILL & OLIVER HILL, gent^n^, of the sole use & exercise of a new invention for melting oares after the Hungarian manner, either with or without bellows, which saves that part of the mettall that by the com̃on way of melting used here flyes into smoke, and is lost and infects the aire; to hold to them, their exec^rs^, admin^rs^, & assigns, for the term of fourteen years according to the statute in that case made & provided. Teste Rege apud West^m^, 11° die Maij, anno supradicto. p br̃e, &c.

HEMING. 21st June 1699.

364. A lycence to EDMUND HEMING, gent^{n}, of the sole use & exercise of severall new inventõns by him contrived & found out; the one for sweeping the streets of London or any other city or towne, as also greens and walks; another for loading the dirt, dust, or soyl, or any sort of casks, with great ease and quickness; another very useful for all His Mãtie's artillery carriages, wagons, and carts; and another invencon very vsefull for mending & repairing the highways, throwing all the riseing ridges into the rutts; to hold the same for the term of fourteen yeares according to the statute in that case made and provided. Testibus Thoma, &^{c}., apud West^{m}, 21 die Junij, anno supradcõ. p bře, &^{c}.

SAYER. 18th May 1700.

365. A grant to EDWARD SAYER, esq., of the sole exercise & benefit of severall new engines, kilns, & other tooles, never before made or vsed, for the makeing of looking glass plates & plates for pannells of roomes and chimney pieces; to hold for fourteen years; with vsuall clauses. Teste Rege apud West^{m}, 18^{o} die Maij, anno supradcõ. p bře, &^{c}.

DU MANOIR. S^{t} MARIE. 12th Sept. 1700.

366. A grant to RICHARD LAWRENCE DU MANOIR & LEWIS ANNE S^{t} MARIE of the sole vse & exercise of several new engines, kilns, & other instruments for the makeing of large rough looking-glass, plate glass pannells, & chimney pieces for roomes, after a new method or way never before practised or vsed in England; to hold for 14 yeares; with vsall clauses. Testibus Thoma, &^{c}. apud West^{m}, 12^{o} die Sep^{is}, anno supradcõ. p bře, &^{c}.

SHALLCROSS. 4th July 1701.

367. A grant unto JOHN SHALLCROSS, esq., of the sole vse & benefitt of his new invention of a new sort of covering for houses, made of clay, something like a flatt board, of about fourteen inches long and about twelve inches broad, with a small rib or ledge, lying down on both sides, & rising about half an inch above the flat part; by laying two of which togeather, & covering the said ribs or ledges with a small hollow capp, which clips the same, and each lapping about two inches over the other, doe make a covering for the purpose aforesaid, which lyeth close and tight, & being much lighter may be supported with lesse timber, & also is more safe & secure, & defend better from all manner of wind and weather then any covering now used; to hold to him for the term of 14 years according to the statute in that case made and provided. T. Rege apud Wstm̃, 4^{o} die Julij, anno p̃d. p bře, &^{c}.

LYDALL. 13th June 1702.

368. Her Majesty is pleased to grant unto ROBERT LYDALL, gent^{n}, the sole use & benefit of his new invention of smelting & melting black tinn into good merchantable white tinn; to hold to him, his exec^{rs}, adm^{rs}, & assignes, for the term of 14 years according to the statute in that case made & provided; with other clauses usuall. Teste R̃ apud Westm^{r}, 13^{o} die Junij, anno p̃d. p bře, &^{c}.

SOROCOLD. 1st Jan. 1703.

369. A grant unto GEORGE SOROCOLD, gent., of a new invention, by him contrived & found out, for cutting and sawing all sorts of boards, timber, and stone, & twisting all kinds of ropes, cords, & cables by the strength of horses or water; to hold to the said George Sorocold, his exec^{rs}, admin^{s}, & assigns, for the terme of 14 years; and such powers, provisoes, & clauses are inserted as were directed. Teste R̃ apud West^{m}, primo die Jan^{y}, anno p̃d. p bře, &^{c}.

JACKSON. 8th April 1704.

370. A grant to BENJAMIN JACKSON, gent^{n}, of y^{e} sole use & exercise of a new invention for ordering coaches, calashes, shazes, wagons, & other carriages & machines of that nature, that tho' the wheels or carriages may be oversett, yet the bodies of them shall still remain upright; to hold the same for the term of 14 years; with usual clauses. Teste Regina apud Westm^{r}, 8^{o} die Aprilis, anno p̃d. p^{r} bře, &^{c}.

FACIO. DEBAUFRE. DEBAUFRE. 1st May 1704.

371. A grant unto NICHOLAS FACIO, gent^{n}, PETER DEBAUFRE, & JACOB DEBAUFRE, watchmakers, of the sole use & exercise of a new invention for working precious or more comon stones, christall, or glass, & certain other matters different from metals, so that they may be employed & made use of in clock-work or watch-work, & many other engines, not for ornament only, but as an internall & usefull part of the work or engine itselfe; to hold the same during the terme of 14 years; with usuall clauses. Teste R^{y} apud Westm^{r}, 1^{o} die Maij, anno p̃d. p bŕe, &^{c}.

COLE. 29th July 1704.

372. A grant unto RICHARD COLE, gent^{n}, of the sole use & benefitt of his invenc̃on of forming glasses into conicall figures and lamps for the better dispersing & casting of light; to hold to him, his exec^{rs}, adm^{rs}, & assigns, for the term of 14 years; with usuall clauses. Teste R^{y} apud Westm^{r}, 29^{o} die Julij, anno p̃d. p bŕe, &^{c}.

BULL. 22nd Dec. 1704.

373. A grant unto RICHARD BULL, of the citty of London, druggist, of the sole use of his new invention for roasting coffee berries without charcoal or wood fire in a furnace with a case or barrell and box and flew, which preserves the volatile spirit peculiar to good coffee from evaporating, and likewise secures the berries from suffocating smoak & steam which is usually occasioned by the use of charcoal, with which other persons roast their coffee berries; to hold to him, his exec^{rs}, adm^{rs}, & assigns, for the terme of 14 years; with usuall clauses. Teste R^{y} apud Westm^{r}, 22 die Dec^{r}, anno p̃d. p bŕe, &^{c}.

LYDALL. 23rd July 1705.

374. A grant unto ROBERT LYDALL, gent^{n}, of the sole use & benefit of his new invention of separating & refining gold & silver from tinn, & melting & smelting black tinn oar into good merchantable white tinn much cheaper than can be produced by any method now in use; to hold & enjoy the same to the said Robert Lydall, his exec^{rs}, adm^{rs}, and assigns, for the term of 14 yeares according to the statute in that case made and provided. Teste R^{y} apud Westm^{r}, 23^{o} die Julij, anno p̃d. p bŕe, &^{c}.

PECK. 15th March 1706.

375. A grant unto DANIEL PECK, gent^{n}, of the sole use & benefitt of his new invenc̃on for the better making & refining of white salt for all uses from sea water, brine springs, & rock salt much cheaper than by any method now in use; to hold & enjoy the same to him, the said Daniel Peck, his exec^{rs}, adm^{s}, & assigns, for the term of 14 years according to the statute in that case made & provided. Teste R^{y} apud Westm^{r}, 15 die Martij, anno p̃d. p bŕe, &^{c}.

MILL. 12th April 1706.

376. A grant unto HENRY MILL, gent^{n}, of the sole use and benefitt of his new invention of a mathematical instrument, consisting of several new sorts of springs for the ease of persons riding in coaches, chariotts, calashes, & chaises, which will be of greater ease & benefitt to all persons using the same than any yet in use; to hold the same to him, the said Henry Mill, his ex̃ors, adm̃ors, and assigns, according to the statute in such case made and provided. Teste R^{y} apud Westm̃, 12th die Aprillis, anno p̃d, &^{c}.

ALDERSEY. 6th June 1706.

377. A grant unto ROBERT ALDERSEY of the sole use & benefitt of his new invenc̃on in contriving a floating dam to carry lighters & other vessells over the greatest flattes & shallows in any navigable river; to hold for 14 years according to the statute in such case made & provided. Teste R^{y} apud Westm^{r}, 6^{o} die Junij, anno p̃d. p bŕe, &^{c}.

Cove.
8th June 1706.

378. A grant unto William Cove of the sole use & benefitt of his new invencõn of making lamb black (not yet practized in England), which will be of great advantage & benefitt for the service of the royal navy, & all trades throughout the kingdom using the same; to hold & enjoy the same to the said William Cove, his execrs, admrs, & assigns, for the term of 14 years according to the statute in such case made & provided. Teste R̃ apud Westmr, 8o die Junij, anno p̃d. p bŕe, &c.

Savery.
1706.

379. A grant unto Thomas Savery, esqr, of the sole use and benefitt of his new invencõn for making double hand bellows, which, by the power of springs and screws, will produce such a continuall blast, notwthstanding the suction, as may melt any sort of mettle in a common wood or coal fire, which will be of great use in all private familys, and to all persons working in mettall & oar, without being at the accustomary charges of making essay furnaces; to hold to him, his exors, admors, & assigns, for 14 yeares according to the statute in such case made and provided. Teste R̃ apud Westm, anno, &c. 5. p bŕe, &c.

Darby.
18th April 1707.

380. A grant unto Abraham Darby, of the city of Bristol, smith, of the sole use & benefit of his new invencõn of casting iron bellied potts & other iron bellied ware, which may be afforded cheaper than any yet in use; to hold to him, his exors, admrs, & assigns, for & during the term of 14 years according to the statute in that case made and provided. Teste R̃ apud Westmr, 18 die Aprił, anno p̃d. p bŕe, &c.

Cole.
10th Sept. 1707.

381. A grant unto John Cole, esqr, of the sole use of his new invention for the more easy drawing of any burthens in & upon all carriages upon wheels; to hold to him, his execrs, admrs, & assignes, for 14 years according to the statute in that case made & provided. Teste R̃ apd Westmr, 10o Septris, anno p̃d. p bŕe, &c.

Cole.
7th August 1708.

382. A grant unto Michael Cole, gentn, of the sole use & benefit of his invencõn of a new kind of light (quite different from any yet in use) in England & Ireland; to hold to him, his exors, admrs, & assignes, for the terme of fourteen yeares according to the statute in such case made & provided. Teste R̃ apd Westmr, 7o Augti, anno p̃d. p bŕe, &c.

Pease.
1708.

383. A grant unto Robert Pease, merchant, of the sole use & benefit of his invencõn of making green oyle of materials principally of the product of Great Britain, never before practised in Her Majesty's dominions, very usefull in the wollen manufacture, and for makeing soft soap, & is also eatable; to hold to him, his exors, admors, & assigns, for 14 years according to the statute. Teste R̃ apd Westmr, ut ult. p bŕe, &c.

Schmettan.
12th July 1709.

384. A grant unto Samuel Schmettan, gent., of the sole use & benefit of his new invention for making of salt within that part of Great Britain called England, dmon of Wales, & town of Berwick-upon-Tweed; to hold to him, his exors, admrs, & assigns, for the term of fourteen years according to the statute in such case made and provided. Teste R̃ apd Westmr, 12o die Julij, anno p̃d. p bŕe, &c.

Weisehamer.
26th July 1709.

385. A grant unto Jeremiah Weisehamer, his exors, admors, & assignes, of the sole use & benefitt of his new invencõn of a mill or engine for the more easy grinding or pressing of sugar cains with a less number of oxen, horses, or cattle than by those mills formerly used throughout our dñions in America; for & during the term of fourteen years according to the statute in such case made and provided. Teste R̃ apd Westmr, 26o die Julij, anno p̃d. p bŕe, &c.

TASKER.
2nd August 1709.

386. A grant unto JANE TASKER, widow, of the sole use & benefitt of her new invencõn of working & making of flask cases, & covering & casing with flags, rushes, & straw, flask glasses, now used in England in imitation of those which come from Florence, within that part of ye kingdome of Great Britain called England, dm̃ion of Wales, & town of Berwick-upon-Tweed; to hold to her, her ex̃tors, admrs, & assignes, for the term of fourteen years according to the statute in such case made & provided. Teste R̃ apd Westmr, secundo die Augusti, anno p̃d. p bře, &c.

NASMITH.
3rd October 1711.

387. A grant unto JOHN NASMITH, of Hamilton, in North Britain, apothecary, of the sole use and benefitt of his new invencõn for the preparing & fermenting of wash from sugar, molosses, & all sorts of grain, to be distilled, within that part of Great Britain called England, the d̃nion of Wales, & town of Berwick-upon-Tweed; to hold and exercise the same to him, his execrs, admrs, & assignes, for & during the term of 14 yeares according to the statute in that case made and provided. Tesť R̃ &c, apud Westmr, 3o die Octobris, anno p̃d. p bře, &c.

BYFIELD.
22nd Oct. 1711.

388. A grant unto TIMOTHY BYFIELD, dr in physick, of the sole use & benefitt of his new invented chimicall p̃paracõn or medicine, publickly known by the name of his Sal Oleosum Volatile, within that part of the kingdome of Great Britain called England, the d̃nion of Wales, & towne of Berwick-upon-Tweed, & within the kingdome of Ireland; to hold & exercise the same to him, his execrs, admrs, & assignes, for & during the term of 14 years according to the statute in that case made & provided. Teste R̃ &c, apud Westmr, 22o die Octris, anno p̃d. p bře, &c.

HANCOCK.
13th Nov. 1711.

389. A grant unto DANIEL HANCOCK, founder, his execrs, admrs, & assignes, for the sole use & benefitt of his new invencõn for making a more usefull sort of iron boxes for the wheeles of all manner of carriages, called open boxes, within that part of Great Britain called England, dm̃ion of Wales, & town of Berwick-upon-Tweed, for & during the term of 14 yeares according to the statute in that made & provided. Teste R̃ apd Westmr, 13o die Novris, anno p̃d. p bře, &c.

STOUGHTON.
3rd April 1712.

390. A grant unto RICHARD STOUGHTON, apothecary, his execrs, admrs, & assignes, of the sole p̃paracõn, use, and exercise of his new invented restorative cordial and medicines, by the name of Stoughton's Elixir Magnum Stomachicum, or The Great Cordial Elixir, otherwise called The Stomatick Tincture or Bitter Drops, throughout that part of Great Britain called England, the dm̃ions of Wales, & town of Berwick-upon-Tweed, and within the kingdom of Ireland, for the terme of 14 years according to the stať in such case made & provided. Teste, &c, 3o die Aprilis, anno p̃d. p bře, &c.

POWNOLL.
3rd April 1712.

391. A grant unto ISRAEL POWNOLL, of Chatham, in the county of Kent, his execrs, admrs, & assignes, of the sole use, exercise, & benefitt of his new invented engine or machine for taking up of ballast, sullage, sand, &c., of very great use in cleansing rivers, harbours, &c, throughout that part of Great Britain called England, the d̃nion of Wales, & town of Berwick-upon-Tweed, and within the kingdom of Ireland, for the term of 14 years according to the statute in such case made & provided. Tesť, &c, ut ult. p bře, &c.

MANDELL.
GREY.
17th June 1712.

392. A grant unto NICHOLAS LEWIS MANDELL, esqr, & JOHN GREY, carpenter, their ex̃tors, admrs, and assignes, of the sole making & vending their two new invented engines; the one of a small size for the weighing & raising upp any weight farr beyond what can be performed by any crane or capstone;

& the other for raising water in a new & surprising manner, of great service in extinguishing fire, for & during the term of 14 years according to the statute in that case made & provided. Teste, &c, 27th die Junij, anno p̄d.
p b̄re, &c.

HILL. 23rd Oct. 1713.

393. A grant unto AARON HILL, esqr, his execrs, admrs, & assignes, of the sole use & benefitt of his new invenc̄on to express oyl from the fruit or triangular seed of the beech tree, within England, Wales, & the town of Berwick-upon-Tweed, for 14 yeares according to the statute in such case made and provided. Teste R̄ apd Westmr, 23o die Octris, anno Rñi sui 12o.
p b̄re, &c.

BIRD. 1st Dec. 1713.

394. A grant unto MICHAEL BIRD, citizen and watchmaker, of London, his ex̄tors, admrs, & assignes, of the sole use and benefitt of his new invented engine for drying of malt and hops, within Engld, Wales, and town of Berwick-upon-Tweed, for 14 years according to the statute in such case made & provided. Teste R̄ apd Westmr, primo die Decris, anno p̄d. p b̄re, &c.

MILL. 7th Jan. 1714.

395. A grant unto HENRY MILL, his execrs, admrs, & assignes, of the sole use & benefitt of his new invenc̄on for impressing or transcribing of ltres singly or progressively one after another in writing so neat & exact as not to be distinguished from print, very usefull in settlemts & publick records, within England, Wales, & towne of Berwick-upon-Tweed, for 14 years according to the statute in such case made and provided. Teste R̄ apd Westmr, 7mo die Janry, anno p̄d. p b̄re, &c.

WILKS. 2nd April 1714.

396. A grant unto JOHN WILKS, of the city of London, dyer, of the sole use & benefitt of his new invented engine or mill for grinding all sorts of wood dry for the use of dying; to hold & exercise the same to him, his ex̄tors, admrs, & assignes, within England, Wales, and town of Berwick-upon-Tweed, for and during the term of 14 years according to the statute in such case made and provided. Teste R̄ apd Westmr, 2o die Aprilis, anno p̄d.
p b̄re, &c.

COSTER. COSTER. 27th May 1714.

397. A grant unto JOHN COSTER, of Redbrooke, in the county of Gloucester, gent., & John Coster, junr, of Redruth, in the county, of Cornwall, gent., of the sole use & benefitt of their new invented engine for drawing water out of deep mines; to hold and exercise the same to them, their ex̄tors, admrs, & assignes, within England, Wales, & town of Berwick-upon-Tweed, for and during the term of 14 years according to the statute in such case made & provided. Teste R̄ apd Westmr, 27o die Maij, anno p̄d. p b̄re, &c.

BECKER. 10th Feb. 1715.

398. A grant unto ANDREW BECKER, esqr, of the sole use & benefitt of his new invented machine for raising shipps that have been wreckt from the bottome of the sea; to hold to him, his execrs, admrs, & assignes, within England, Wales, & town of Berwick-upon-Tweed, & in or upon any of the seas whatsoever belonging to His M̄tie's dm̄ons, for and during the term of 14 years according to the statute in such case made & provided. Teste, &c, ut supra.

JACKSON. 5th May 1715.

399. A grant unto BENJAMIN HABAKKUK JACKSON, gent̄, of the sole use and benefitt of his new invenc̄on for making & altering coaches, charriots, callashes, shazes, and other machines of that nature, in such a manner that tho' the wheeles should ever so suddenly oversett the bodies of them shall still remain upright; to hold the same to him, his execrs, admrs, & assignes, within England, Wales, and town of Berwick-upon-Tweed, & in Ireland, for 14 yeares according to the statute in such case made and provided. Teste R̄ apd Westm̄, 5o die Maij, anno p̄d. p b̄re, &c.

DUBISON. 19th Nov. 1715.

400. A grant unto PETER DUBISON, his execrs, admrs, & assignes, of the sole use & benefitt of his new invencon of printing, dying, or staining of callicoes in grain within England, Wales, & town of Berwick-upon-Tweed for 14 years according to the statute in such case made and provided. Teste Rege apd Westm̃, 19o die Novris, anno p̃d. p bre, &c.

MASTERS. 25th Nov. 1715.

401. A grant unto THOMAS MASTERS, of Pensilvania, planter, his execrs, admrs, & assignes, of the sole use & benefit of a new invencon found out by Sybilla his wife, for cleaning & curing the Indian corn growing in the severall colonies in America, within England, Wales, & town of Berwick-upon-Tweed, & the colonies in America. Teste R apd Westm̃, 25o die Novris, anno p̃d. p bre, &c.

BERRY. 18th Feb. 1716.

402. A grant unto THOMAS BERRY, his execrs, admrs, & assigns, of the sole use & benefit of his new invencon of curing the sweepings of ships, and thereby rendring the same usefull and saleable, which otherwise would be of little or no value, within England, Wales, & town of Berwick-upon-Tweed for and during the term of fourteen years according to the statute in such case made and provided. Teste R apd Westm̃, 18o die Febry, anno p̃d. p bre, &c.

MASTERS. 18th Feb. 1716.

403. A grant unto THOMAS MASTERS, of Pensylvania, merchant, his execrs, admrs, & assigns, of the sole use and benefit of new invencon, found out by Sybilla Masters his wife, of working & staining in straw and chip and the plat and leaf of the palmeta tree and covering and adorning hats & bonnets, within England, Wales, and town of Berwick-upon-Tweed, and within His Majties severall & respective plantations in America and elsewhere for and during the term of fourteen years according to the statute in such case made and provided. Teste R, &c, ut ult.

WOLLASTON. 25th June 1716.

404. A grant unto AUGUSTIN WOLLASTON, of the city of London, genr̃, of the sole use & benefit of his new invencon of extracting a good sweet oyl from an English vegetable, which will be of great benefit and service to all persons concerned in the woollen manufacture, soapmaking, leather trades, &c, and can be afforded as cheap or cheaper than any common ordinary oyl; to hold and exercise the same, his execrs, admrs, & assignes, within England, Wales, & town of Berwick-upon-Tweed for and during the term of 14 years according to the statute in such case made & provided. Teste R apd Westm̃, 25o die Junij, anno p̃d. p bre, &c.

EDWARDS. 29th June 1716.

405. A grant unto TALBOT EDWARDS, esqr, of the sole use & benefit of his new invencon for making pitch, tarr, & oyl in England from roach or roof stone by fluxing with fire only; to hold & exercise the same to him, his execrs, admrs, & assignes, within England, Wales, & town of Berwick-upon-Tweed for and during the term of 14 years according to the statute in such case made and provided. Teste, &c, ut supra. p bre, &c.

MOULT. 30th June 1716.

406. A grant unto FRANCIS MOULT, of the city of London, esqr, of the sole use & benefit of his new invention of fluxing, separating, or reducing black tin into good merchantable white tin by means of some alcalious & saline mixtures, exceeding all other ways hitherto found out; which new invenon will cause a greater produce of good merchantable white tin or oar wth much less charge than usuall, & increase the coynage duty payable upon the said metal; to hold & exercise the same to him, his execrs, admrs, & assignes, within England, Wales, & town of Berwick-upon-Tweed for & during the term of 14 years according to the statute in such case made & provided. Teste R apd Westm̃, 30mo die Junij, anno p̃d. p bre, &c.

EVANS.
31st July 1716.

407. A grant unto ROBERT EVANS, his execrs, admrs, & assignes, of the sole use & benefit of his new invencon of two circular movements (performed by two chains, which he calls his endless chains), of great use in jack-work, clock-work & some sorts of water-works within England, Wales, & town of Berwick-upon-Tweed, for & during the term of 14 years according to the statute in such case made & provided. T. Principe Walliæ, &c, apd Westm̃, 31mo die Julij, ao p̃d. p bŕe, &c.

BUNYAN.
12th Sept. 1716.

408. A grant unto ARTHUR BUNYAN senr, of Southwark, in the county of Surrey, gent., of the sole use & benefit of his new invention, how from a certain English seed may be expressed a good sweet oyl of great use to all psons concerned in the woollen manufacture, painters, leather dressers, &c. ; to hold and exercise the same to him, his execrs, admrs, & assignes, within England, Wales, and town of Berwick upon-Tweed for & during the term of 14 years according to the statute in such case made & p̃vided. Teste Principe Walliæ, &c, apd Westm̃, 12o die Septris, anno p̃d. p bŕe, &c.

WARD.
14th Sept. 1716.

409. A grant unto WILLIAM WARD, esqr, his execrs, admrs, & assignes, of the sole use & benefit of his new invencon for making & setting the vessells which are used in making salt, allum, copperas, &c, as well as other things where large furnaces are required, much better & with less danger & expense than can be done by any method hitherto practised, which will be very usefull to all psons concerned in manufacturing the said products, & beneficiall to His Mtie's subjects in generall ; to hold & exercise the same within England, Wales, & town of Berwick-upon-Tweed for & during the term of 14 years according to the statute in such case made & p̃vided. Teste Principe Walliæ, &c, apd Westm̃, 14o die Septris, anno p̃d. p bŕe, &c.

HOLLAND.
8th Nov. 1716.

410. A grant unto THOMAS HOLLAND, of Amsbury, in the county of Wilts, clerk, of the sole use & benefit of his new invented engine for raising a continuall flux of water with two barrells only, in much greater quantity, with more ease and certainty, by locks and chain works, than any engine hitherto invented, being most advantageous to the publick, not only in supplying at a cheap rate several cities, towns corporate, and other places with water, but also in draining lands, mines, &c, and watering of barren grounds which at present yield little or no profit to the owners ; to hold to him, his execrs, admrs, and assignes, within England, Wales, & town of Berwick-upon-Tweed for and during the term of 14 years according to the statute in such case made and provided. Teste R̃ apud Westm̃, octavo die Novris, anno p̃d. p bŕe, &c.

SMITH.
16th Feb. 1717.

411. A grant unto THOMAS SMITH, of Lambeth, in the county of Surrey, esqr, of the sole use and benefit of his new invencon of expressing a sweet oyl from four seeds of the growth of Great Britain, which will be of great benefitt to His Mtie's subjects in generall, but more particularly to the soap-makers & cloathing trades ; to hold the same to him, his execrs, admrs, & assignes, within England, Wales, & town of Berwick-upon-Tweed for and during the term of 14 years according to the statute in such case made and provided. Teste R̃ apd Westm̃, 16o die Febrij anno p̃d. p bŕe, &c.

THOMPSON.
8th March 1717.

412. A grant unto JOHN THOMPSON, of the city of London, merchant, of the sole use & benefit of an invention of a floating engine or machine for grinding corn & bolting the flower by force of water in any of His Mtie's rivers, quite different from any ever before used in England, which will be of great use and benefit to His Majtie's subjects in generall, and which he hath been at extraordinary charge in bringing from beyond the seas and introducing into

this kingdom; to hold to him, his execrs, admrs, & assignes, within England, Wales, and town of Berwick-upon-Tweed for and during the term of 14 years according to the statute in such case made and provided. Teste R apd Westm̃, 8o die Martij, anno p̃d. p bre, &c.

NEWTON. NOWELL. CLARK. JOYNES. 17th May 1717.

413. A grant unto SAMUEL NEWTON, CHARLES NOWELL, LAWRENCE CLARK, and CLEMENT JOYNES of the sole use and benefit of their invention to make starch of and from roots called by the name of potatos, never yet practised, by the making whereof great benefitt will arise to the publick; to hold to them, their ex̃tors, admrs, & assignes, within England and Ireland, & all His Mtie's islands, plantations, & colonies abroad, for and during the term of 14 years according to the statute in such case made and provided. Teste R apd Westm̃, 17o die Maij, anno p̃d. p bre, &c.

SHUTTLEWORTH. 12th July 1717.

414. A grant unto EDWARD SHUTTLEWORTH, of Liverpoole, in the county of Lancaster, gent., of the sole use & benefit of his new invented machine or engine for drawing water out of coal pits, salt pits, copper and lead mines by the ways menc̃oned in the grant with more ease and less danger & expense than by any method yet found out, & which will be of excellent use in any mines whatsoever which have occasion to have their waters drawn off; to hold to him, his ex̃tors, admrs, & assignes, within England, Wales, & town of Berwick-upon-Tweed for and during the term of 14 years according to the statute in such case made & provided. Teste R apd Westm̃, 12o die Julij, anno p̃d. p bre, &c.

TRENGROUSE. 17th July 1717.

415. A grant unto JAMES TRENGROUSE, gent., of the sole use & benefit of his new invented vehicles or wheel carriages that will not overturn in any roads, very profitable to all persons who use any wheel carriages, which will not fret the roads as waggons & other such carriages now do; he calls some of these new vehicles double & single runners; the double runners will travail in such bad roads as no coach can travel in, & will runn more miles a day, & with fewer horses, & with more passengers, and in less time than the present coaches can, & will accom̃odate all passengers with severall usefull conveniences; and also a grant to the said James Trengrouse of his new invented machines or engines which will prevent all coaches, waggons, & other wheel carriages from overturning, with severall conveniences for servants & cloathing for horses; to hold the same to him, his exectrs, admrs, & assignes, within England, Wales, and town of Berwick-upon-Tweed, & our kingdom of Ireland, for & during the term of 14 years according to the statute in such case made & provided. Teste Rege apd Westm̃, 17o die Julij, anno p̃d. p bre, &c.

CAMPBELL. 1st August 1717.

416. A grant unto GEORGE CAMPBELL, of the city of Edingburgh, merchant, of the sole use & benefitt of his new invenc̃on of improving salt, which by a separate preparaẗon of the sea liquor or other pit or salt brine considerably augments its quality, & by removing the bitter or corrosive nature of the salt betters its quality more than by any other way heretofore used in any of His Mtie's dm̃ons; to hold to him, his execrs, admrs, & assignes, within England, Wales, & town of Berwick-upon-Tweed for & during the term of 14 yeares according to the statute in such case made & p̃vided. Teste R apd Westm̃, primo die Augt, annis p̃d. p bre, &c.

SEMEINS. 15th Jan. 1718.

417. A grant unto EDWARD SEMEINS, gent., of the sole exercise and benefit of his invention of the use of certain vegetables in His Mtie's dm̃ons in America for making pot ashes; to hold to him, his ex̃tors, admrs, & assignes, within England, Wales, town of Berwick-upon-Tweed, and His Mtie's dm̃ons in America for 14 years according to the statute in such case made and provided; with usuall clauses. Teste R, &c, apd Westm̃, 15o die Janry, anno p̃d. p bre, &c.

PUCKLE. 15th May 1718.

418. A grant unto JAMES PUCKLE, of the city of London, gent., of the sole use & benefit of his new invented portable gun or machine called a defence, y^t^ discharges so often and so many bullets & can be so quickly loaden as renders it next to impossible to carry any ship by boarding; to hold & exercise to him, his exec^rs^, adm^rs^, & assignes, within England, Wales, & town of Berwick-upon Tweed, and the kingdome of Ireland, for 14 years according to y^e^ statute in such case made and provided. Teste R̃ apud Westm̃, 15° die Maij, anno r̃ni sui quarto. p br̃e, &^c^.

STEEL. 21st May 1718.

419. A grant unto S^r^ RICH^d^ STEEL, kn^t^, his exec^rs^, adm^rs^, & assignes, of the sole use & benefit of his new invention of a certain vessel which, by the structure thereof, can bring fish wheresoever caught alive and in health, which will greatly contribute to y^e^ general good of all His Mat^y's^ subjects, for the term of 14 years according to the statute in such case made & provided. Teste R̃ apud Westm̃, 21° die Maij, anno r̃ni sui quarto. p br̃e, &^c^.

APPLETRE. 23rd May 1718.

420. A grant unto JOHN APPLETRE, his exec^rs^, adm^rs^, & ass^ns^, of the sole use & benefit of his new invented way of raising silk in the kingdom of Great Britain to as great a perfection as in any part of Europe, which will very much tend to the benefit and advantage of His Maj^tie's^ subjects, & will employ a great many poor; to hold & exercise the same within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years according to the statute in such case made and provided. Teste R̃ apud Westm̃, 23° Maij, anno supradc̃o. p br̃e, &^c^.

SMITH. 23rd May 1718.

421. A grant unto MARSHAL SMITH, gent., his exec^rs^, adm^rs^, & assignes, of the sole use & benefit of his new invented machine or engine for grinding of colours to be used in all kinds of paintings, also for grinding of lookinglass & polishing of marble, & pounding & sifting of colours, oar, and all hard substances or other things usually ground with a muller on a flat stone, by motion in the mechanicks exactly imitating those of the hands, which hath met with a generall applaus & approbation for its usefulness to the publick in supplying at moderate rates all cities & other places w^th^ colours, &^c^.; to hold & exercise the same w^th^in England, Wales, & town of Berwick-upon-Tweed for 14 years according to the statute in such case made & provided. Teste ut ulr̃. p br̃e, &^c^.

LOMBE. 9th Sept. 1718.

422. A grant unto THOMAS LOMBE, of y^e^ city of London, mech^t^, his ex̃tors, adm^rs^, & assignes, of y^e^ sole use and benefit of his new invenc̃on of three sorts of engines, one to wind the finest raw silk, another to spin, & y^e^ other to twist y^e^ finest Italian raw silk into organzine in great perfec̃on; by w^ch^ means many thousands of His Maj^t's^ subjects may be constantly employed, Great Britain furnished w^th^ silks of all sorts of y^e^ manufacture of His Maj^t's^ subjects, & great quantities thereof exported into foreign parts by being made as good & cheap as any foreign silk can be afforded ; to hold and exercise y^e^ same w^th^in England, Wales, & town of Berwick-upon-Tweed for & during the term of 14 years according to the statute in such case made & provided. Teste R̃ apud Westm̃, 9 Septembr̃, anno sup̃dict̃. p br̃e, & .

LE BLON. 5th Feb. 1719.

423. A grant unto JAMES CHRISTOPHER LE BLON, his exec^rs^, adm^rs^, & assignes, of y^e^ sole use and benefit of his new invention of multiplying of pictures & draughts by a natural colloris with impression, which hath never yet been used or invented by any person, and meets with a general approbation, as well for its ingenuity as y^e^ great benefit & advantage that will accrew to y^e^ publick thereby ; to hold and exercise y^e^ same w^th^in England, Wales, & town of Berwick-upon-Tweed for y^e^ term of fourteen years according to y^e^ statute in such case made & provided. Teste R̃ ap^d^ Westm̃, 5° die Feb^ry^, a° p̃d. p br̃e, &^c^.

VAVASOR. 7th Sept. 1719.

424. A grant unto JAMES VAVASOR, gent., his execrs, admrs, & assignes, of the sole use & benefit of his new invencon of such a method of ticketting, marking, & staining of horses as will secure them for the future from being stol'n, to be used by all psons as shall voluntarily and of their own free will desire to have the same; to hold and exercise the same within England, Wales, and town of Berwick-upon-Tweed for & during the term of 14 years according to the statute in such case made and provided. Testibꝫ, &c, 7mo die Sepꝯ, anno ꝑd. p bre, &c.

ROBINSON. 24th March 1720.

425. A grant unto RICHARD ROBINSON, his exrs, admrs, & assignes, of the sole use & benefit of new invention & method to glaze & paint stone which will endure the fire, to serve for chimney corner stones, hearths, & other uses; to hold and exercise the same within England, Wales, & town of Berwick for the term of 14 years. T. 24o Martij, anno ꝑd. p bre, &c.

PERROTT. 26th March 1720.

426. A grant unto BENJAMIN PERROTT, of the city of Bristoll, glassmaker, his extors, admrs, and assignes, of the sole use and benefit of his new invention of a furnace for making, melting, and preparing the mettle for making all sorts of glass wares; which mettle, according to the practice hitherto, has been always made, melted, and prepared in clay potts, and the potts frequently breaking by many accidents, the mettle therein running out to wast, has been the only reason the price of glass wares is so high; all which inconveniences so as aforesaid happening to the said potts will be effectually prevented by means of the said invention, and His Majtie's subjects sufficiently supplyed with all manner of glass wares much cheaper; to hold and exercise the same within England, Wales, and town of Berwick-upon-Tweed, and within His Majtie's kingdom of Ireland, for and during the term of 14 years according to the statute in such case made and provided. Teste Rꝫ apd Westm̃, 26o die Martij, anno ꝑd. p bre, &c.

CUMBERLAND. 14th April 1720.

427. A grant unto JOHN CUMBERLAND, mariner, his extors, admrs, & assignes, of the sole use & benefit of his new invencon for heating, bending, and making of plank plyant of all sorts, to be wrought on any ship, vessel, lighter, boat, or floating craft, and for the heating, drying, seasoning, & bending of all sorts of timber, wood, plank, or board; to hold & exercise the same within England, Wales, & town of Berwick-upon-Tweed, and wthin the kingdom of Ireland & colonies & plantations in America, exclusive of His Mat's own royal yards, for the term of 14 years according to the statute in such case made and provided. Teste Rꝫ apd Westm̃, 14o die Aprilis, anno ꝑd. p bre, &c.

MARTEN. 7th May 1720.

428. A grant unto JOHN MARTEN, surgeon, his exrs, admrs, and assignes, of the sole use & benefit of his new invencon for meliorating all sorts of oils; to hold & exercise the same within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years. Teste Rege apd Westm̃, 7o die Maij, anno r̃ni sui 6to. p bre, &c.

BUSBY. 10th May 1720.

429. A grant unto JOHN BUSBY, esqr, his execrs, admrs, and assignes, of the sole use and benefit of his new invention of a kiln to dry malt with hot air; to hold & exercise the same wthin England, Wales, and town of Berwick-upon-Tweed for the term of 14 years according to the statute in such case made and provided. Teste Rege apd Westm̃, 10mo die Maij, anno ꝑd. p bre, &c.

DESAGULIERS. NIBLET. VREEN. 25th June 1720.

430. A grant to JOHN THEOPHILUS DESAGULIERS, DANIEL NIBLET, and WILLIAM VREEN, their extors, admrs, and assignes, of the sole use & benefit of an invention for making the steam & vapour of boyling liquors useful for many purposes, particularly for drying malt, hopps, starch, & other humid

substances, & for baking, brewing, distilling, boyling, & making of salt, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years according to the statute in such case made and provided. Testibꝫ, &c., 25° die Junij, anno ꝑd. ꝑ bŕe, &c.

ROWE.
20th Oct. 1720.

431. A grant unto JACOB ROWE, his exrs, admrs, & assigns, of ye sole use & benefit of his invention of an instrument for taking altitudes at sea wth greater ease & exactness than any ever yet made use of, to ye great improvement of navigation & benefit of His Majtys subjects, & of a machine for diving more practicable & in greater depths of water than any other yet in use, wthin England, Wales, & town of Berwick-upon-Tweed for & during the term of 14 years according to ye statute in such case made & provided. Testibꝫ, &c, 20mo die Octobris, anno ꝑd. ꝑ bŕe, &c.

HARRIS.
SENEX.
WILSON.
7th July 1721.

432. A grant unto JOHN HARRIS, JOHN SENEX, and HENRY WILSON, their execrs, admrs, and assignes, of the sole use and benefit of making, printing, and vending globular charts or sea charts after a new method and invention, by them found out, for the use and improvement of navigation agreeable to the globe, and representing the globular surface of the sea, whereby all navigators may perform their voyages with much more facility, certainty, and security than hitherto has been done by any method of the plane or Mercator's chart; to hold and exercise the same throughout England, Wales, and town of Berwick-upon-Tweed, and His Majtie's plantations in America, for and during the term of 14 years according to the statute in such case made and provided. Teste Rege apd Westm̃, 7mo die Julij, anno ꝑd. ꝑ bŕe, &c.

HARDING.
17th July 1721.

433. A grant unto WILLIAM HARDING, of the city of London, blacksmith, his execrs, admrs, and assignes, of the sole use of making and vending his new invented sugar mills, engines, and wormes for making sugar and rum in that part of Great Britain called England, and in all His Majtie's dm̃ons in America, for and during the term of 14 years according to the statute in such case made and provided. Teste R̸ apd Westm̃, 12° die Julij, anno ꝑd. ꝑ bŕe, &c.

DE LA CHAUMETTE.
12th August 1721.

434. A grant unto ISAAC DE LA CHAUMETTE, engineer, his exrs, admrs, & assignes, of the sole use & benefit of his new invented engines, machines, & instrumts of severall kinds, of great use to the publick, which are as follow, and are described in the paper or plan hereunto annexed: vizt, a cannon wch, being charged by the breech through the barrel, is cooled by charging it, and cleaned by firing it, carrying twice as farr as those comonly used, with halfe ye powder & half ye length of an ordinary cannon, & may be fired ten times as often as the cannon now used; fuzils & pistols of like make; swords wch serve for bayonets, more solid than ye ordinary bayonets; powder flasks making ye charge always just without any spring; a machine to cure smoaking chimneys; snuffboxes of a new invention; a pen knife yt make ye pen at one cut; a pocket knife of a new contrivance; & buckles wthout anchors, wth a folding tongue; a machine wth moving circles, ten faces on each, with nine figures & a cypher thereon described, usefull in drawing lotterys & other matters of public use; two case of pistols, of which a carbine may be made & charged wthout a rammer; a turning mattress fit for armies & hospitals, coaches and chaises, that can neither overturn nor jolt; a method to prevent shipwreck; a bomb or granado that will burst at ye proper distance, & not discover its way in the air; brest plates full proof, lighter by half than ordinary; candlesticks & rings to be made wider or straighter as occasion; sharp pointed scissars to be carryed in ye pocket wthout any case or danger; a comodious machine, on wch to

place a bottle or two & glasses at table ; a picture y^t^ serves for a tester to a couch bed in y^e^ night, & is put up again in the day time for an ornament to a room ; a lanthorn into which a candle may be put with more ease than into those now used ; a lock of a fuzil more plain & solid than ordinary ; a means to fire the fuzil always horizontally ; & double counters, with a number upon each for the fair drawing of lotterys ; to hold & exercise the same within England, Wales, & town of Berwick-upon-Tweed for & during the term of 14 years according to the statute in such case made and provided. Teste R^x^ ap^d^ Westm̃, 12^o^ die Aug^st^, anno p̃d. p br̃e, &^c^.

BROWNE. 12th August 1721.

435. A grant unto HENRY BROWNE, gentleman, his ex̃tors, adm^rs^, & assignes, of the sole use & benefit his new invenc̃on of an engine or mill for y^e^ more easy, cheap, & effectual beating of raw hemp ; by w^ch^ invention the most difficult work belonging to y^e^ linnen manufactory will be eased, the trade encouraged & improved, and great numbers of the poor constantly employed in dressing, spinning, weaving, and other contingent works thereunto belonging ; to hold & exercise the same within England, Wales, & town of Berwick-upon-Tweed for & during the term of 14 years according to the statute in such case made and provided. Teste R^x^ ap^d^ Westm̃, 12^o^ die August, anno p̃d. p br̃e, &^c^.

WATLINGTON. 9th Sept. 1721.

436. A grant unto JOHN WATLINGTON, citizen & skinner, of y^e^ City of London, his ex̃tors, adm^rs^, & assignes, of the sole use & benefit of his new invented engine for the better & more expeditious cutting the wooll from beaver, conney, & hare skins in order to make hats, within England, Wales, & town of Berwick-upon-Tweed for and during the term of 14 years according to the statute in such case made and provided. Teste R^x^ ap^d^ Westm̃, 9^o^ die Sept^ris^, anno p̃d. p br̃e, &^c^.

ORLEBAR. 26th Sept. 1721.

437. A grant unto JOHN ORLEBAR, gen̄, his ex̃tors, adm^rs^, & assignes, of the sole use & benefit of his new invention of raising water by rotation or circular motion of wheels, without either leaver or crank, higher & at much less expense than hitherto done, in England, Wales, & town of Berwick-upon-Tweed, and in His Maj^tie's^ plantations in America, for & during y^e^ term of 14 years according to y^e^ statute in such case made and provided. Teste R^x^ ap^d^ Westm̃, 26^o^ die Sept^ris^, anno p̃d. p br̃e, &^c^.

PIPER. TYNDALE. 8th Nov. 1721.

438. A grant unto JOHN PIPER & MATTHEW TYNDALE, jun^r^, gen̄, their ex^rs^, adm^rs^, & assignes, of the sole use & benefit of their new invention of a certaine compound, consisting of p̃pared chalk & sea water, which abundently encreaseth all manner of grain, pulse, & grass beyond what hath been known, and what may be of great service to His Maj^tie's^ subjects in generall ; to hold & exercise the same in England, Wales, & town of Berwick-upon-Tweed for & during the term of 14 years according to the statute in such case made and provided. Teste R^x^ ap^d^ Westm̃, 8^o^ die Nov^ris^, anno p̃d. p br̃e, &^c^.

NEWSHAM. 26th Dec. 1721.

439. A grant unto RICHARD NEWSHAM, of the City of London, pearl button maker, his ex^rs^, adm^rs^, and assignes, of the sole use & benefit of his new invented water engine for the quenching & extinguishing fires, within England, Wales, & town of Berwick-upon-Tweed for & during the term of 14 years according to the statute in such case made and provided. Teste R^x^ ap^d^ Westm̃, 26^o^ die Dec^ris^, anno p̃d. p br̃e, &^c^.

MILLER. 30th March 1722.

440. A grant unto THOMAS MILLER, of Fulham, in the county of Middlesex, brickmaker, his ex̃tors, adm^rs^, & assignes, of the sole use & benefit of his new invenc̃on of burning bricks, tiles, & lime, within England, Wales, & town of Berwick-upon-Tweed for & during the term of 14 years according to the statute in such case made and provided. Teste R^x^ ap^d^ Westm̃, 30^mo^ die Martij, p̃d. p br̃e, &^c^.

JACKSON. 11th April 1722.

441. A grant unto BENJAMIN HABBAKUK JACKSON, genĩ, his exĩtors, admrs, & assignes, of the sole use & benefit of his new invented machine for swimming or swimmers, to preserve people's lives in case of shipwreck at sea, the oversetting of boats, and in case of the cramp and other accidents in swimming for pleasure, within England, Wales, & town of Berwick-upon-Tweed for & during the term of 14 years according to the statute in such case made & provided. Teste R̃ apd Westm̃, 11o die Apr̃, anno p̃d.

p br̃e, &c.

EATON. 18th April 1722.

442. A grant unto ROBERT EATON, dr in physick, his execrs, admrs, & assignes, of the sole use & benefit of his new invented chymical p̃paraẽon & styptick medicine, void of all corrosive qualities, being both cordial and balsamick, which universally stops all external and internal bleedings, & of itsselfe heals all fresh wounds, & vastly exceeds all other stypticks that ever were prepared in England, within England, Wales, & town of Berwick-upon-Tweed according to the statute in such case made & provided. Teste, &c, ut supra.

p br̃e, &c.

MOORE. 21st April 1722.

443. A grant unto GEORGE MOORE, of Lambeth, in the county of Surrey, merchant, his exĩtors, admrs, & assignes, of the sole use & benefit of his new invenc̃on of refining copper on the test by air & blast with proper furnaces and with sea coal, whereby the copper is purified & refined at one operac̃on, with much less charge of fire or loss of copper or the materials used as fluxes than by any way hitherto known, & whereby the worst copper is made fit for the best uses, within England, Wales, & town of Berwick-upon-Tweed for & during the term of 14 years according to the statute in such case made & provided. Teste R̃ apd Westm̃, 21mo die Apr̃, anno p̃d.

p br̃e, &c.

SINCLAR. 16th May 1722.

444. A grant unto GEORGE SINCLAR, his exĩtors, admrs, & assignes, of the sole use & benefit for the space of 14 years of raising & cultivating in His Majtie's plantac̃ons in America the plants which are commonly or do produce the balsam of Tolu, Pero, & capair, dragon's blood, coloquintida, scamnony, rhubarb, contraherba, coffee, alkermes, jalap, guttagamba, Jesuits bark, ippecacuana, agaric, & the sole breeding & curing the insect commonly called cochenele, & the cultivating the plant or plants for the effects aforesaid which they feed or live upon, the raising & cultivating whereof hath not hitherto been putt in practice in His Majtie's sd plantac̃ons, & will be of great use & benefit to His M̃tie's subjects & the trade of the plantac̃ons and of Great Britain; which usefull discoveries the said George Sinclar hath in his travells made & found out by means of his practising physick & constant intercourse with the native Indians for above 6 yeares in many parts of Mexico and Peru. Teste R̃ apd Westm̃, 16o die Maij, anno p̃d.

p br̃e, &c.

BADDELEY. 22nd May 1722.

445. A grant unto RICHARD BADDELEY, of Birmingham, in the county of Warwick, ironmonger, his exĩtors, admrs, & assignes, of the sole use & benefit of his new invenc̃on of making streaks for binding cart and waggon wheels & box smoothing irons of pigg iron (never yet practised in this kingdom), which will be more durable and do three times the service of those made of barr iron, & can be afforded much cheaper, and therefore will be of great use & benefit to all such His M̃tie's subjects as may have occasion to use the same, within England, Wales, and town of Berwick-upon-Tweed for & during the term of 14 years according to the statute in such case made & provided. Teste R̃ apd Westm̃, 22 die Maij, anno p̃d. p br̃e, &c.

LE GRAND. 31st May 1722.

446. A grant unto JAMES LE GRAND, of the city of London, gent., his exẽtors, admrs, & assignes, of the sole use & benefit of his new invencon of preventing the smoking of chimneys & all inconveniences that happen thereto, either from winds, sun, or rain, by causing an attraccon of smoke by a method different in all respects from any invencon that hath hitherto been found out or practised; to hold & exercise the same within England, Wales, & town of Berwick-upon-Tweed for & during the term of 14 years according to the statute in such case made and provided. Teste R apd Westm̃, 31mo die Maij, anno p̃. p bre, &c.

RIPLEY. HOLT. 31st May 1722.

447. A grant unto THOMAS RIPLEY, esqr, & RICHARD HOLT, gent., their exẽtors, admrs, & assignes, of the sole use & benefit of their new invencon of a certain compound liquid metal, by which artificial stone & marble is made by casting or running the metal into moulds of any form or figure, great or small, as statues, columns, capitals, also for all house work & garden ornaments, & all other cutt or sculpture work that might be done in Urall stone and marble, within England, Wales, & town of Berwick-upon-Tweed for & during the term of 14 years according to the statute in such case made & provided. Teste R apd Westm̃, 31mo die Maij, anno p̃d. p bre, &c.

HOLT. LONDON. 13th June 1722.

448. A grant unto RICHARD HOLT & SAMUEL LONDON, gents., their execrs, admrs, & assignes, of the sole use & benefit of their new invencon of a certain composicon or mixture (without any sort of clay) for making of white ware, formed & moulded in a method not hitherto practised; to hold & exercise the same within England, Wales, & town of Berwick-upon-Tweed for & during the term of 14 years according to the statute in such case made & provided. Teste R apd Westm̃, 13o die Junij, anno p̃d. p bre, &c.

TRIEWALD. 29th June 1722.

449. A grant unto MARTIN TRIEWALD, of Newcastle-upon-Tyne, gent., his execrs, admrs, & assignes, of the sole use & benefit of his new invencon of a certain engine or machine for drawing water out of mines and collyeries by the power of the atmosphere, within England, Wales, & town of Berwick-upon-Tweed for & during the term of 14 years according to the statute in such case made & provided. Teste R apd Westm̃, 29o die Junij, anno p̃d. p bre, &c.

BARLOW. 12th July 1722.

450. A grant unto ANTHONY BARLOW, of Barlow, in the county of Lancaster, esqr, his exẽtors, admrs, & assignes, of the sole use & benefit of his new invencon of an addicon of a wheel, iron barrs, plates, pinns, &c, to be fixed to any sort of coach, waggon, or cart, for preserving the roads from being cutt & worn out as they now are, and rendring the same comodious & passable in the winter; to hold & exercise the same within England, Wales, & town of Berwick-upon-Tweed for & during the term of 14 years according to the statute in such case made & provided. Teste R apd Westm̃, 12o die Julij, anno p̃d. p bre, &c.

DUNNING. 23rd Sept. 1722.

451. A grant unto RICHARD DUNNING, of Samford Courtney, in the county of Devon, gent., his execrs, admrs, & assignes, of the sole use and benefit of his new invencon of a machine called a poyser, to be fixed to any coach, chariot, or chaise, for p̃venting their overturning when most in danger, either by the badness & uneveness of the road, the ignorance of the driver, or unruly horses, & other accidents; which machine he says will not be above 20 pounds weight for the largest coach and about 12 pounds weight for a light chariot or chaise; to hold and exercise the same wthin England, Wales, & town of Berwick-upon-Tweed for and during the term of 14 years according to the statute in such case made and provided. Teste R apd Westm̃, 23 die Sept., anno p̃d. p bre, &c.

BILLIN.
17th Oct. 1722.

452. A grant unto THOMAS BILLIN, his execrs, admrs, & assignes, of the sole use & benefit of his new invented method for making the most refined earthern ware, with help of clay and other valuable materials found within this kingdom, which he says is of a nature & composition not only transparent but so perfect in its kind & of principles so firmly united as (contrary to all other earthen wares) to resist almost any degree of heat, by which qualities it is more valuable & of greater use & ornament than all other kinds ever yet invented or practised in this kingdom, & capable of being wrought into vessels & ornaments for any use, and that for the working of the same invencon he has invented particular & proper engines & tools; to hold & exercise the same within England, Wales, & town of Berwick-upon-Tweed for & during the term of 14 years according to the statute in such case made & provided. Teste R apd Westm, 17o die Octris, anno pd. p bre, &c.

TAYLOR.
6th Feb. 1723.

453. A grant unto SAMUEL TAYLOR, of Manchester, in the county of Lancaster, yeoman, his execrs, admrs, & assignes, of the sole use and benefit of his new invented engine for the stamping and dressing of thread; to hold & exercise the same within England, Wales, & town of Berwick-upon-Tweed for & during the term of 14 years from the date hereof according to the statute in such case made & provided. Teste R apd Westm, 6o die Febrij, anno pd. p bre, &c.

CHAMPION.
20th April 1723.

454. A grant unto NEHEMIAH CHAMPION, of the city of Bristoll, merchant, his execrs, admrs, & assignes, of the sole use and benefit of his invention for converting copper into brass by a new way of preparing the copper to receive a much greater proporcon of calamy, and making a much greater increase of brass from the copper and calamy than hath hitherto been done, and by a new way of nealing the plates and kettles with pitt coals, which softens and makes the brass as tough and fine coloured as any nealed with wood & wood coale; to hold and exercise the same within England, Wales, & town of Berwick-upon-Tweed for and during the term of 14 years according to the statute in such case made and provided. Teste R apd Westm, 20mo die Aprilis, anno pd. By writt, &c.

SHELDON.
27th May 1723.

455. A grant unto RICHARD SHELDON, of Thurnham, in the county of Kent, esqr, his execrs, admrs, and assigns, of the sole use and benefit of his new invented machine and engine for the better pserving, securing, & bagging of hops, & promoting the trade and commerce of the same, within England, Wales, and town of Berwick-upon-Tweed for and during the term of 14 years according to the statute in such case made and provided. Teste R apd Westm, 27o die Maij, anno pd. By writt, &c.

MILLS.
27th June 1723.

456. A grant unto ISAAC MILLS, of Belluton alis Belton, in the parish of Staunton Drew, in the county of Somerset, clothworker, his execrs, admrs, and assignes, of the sole use & benefit of his new invencon of two instruments of iron to be used in the trade of wooll kembing and pressing, which are cast in such a forme, and contrived in such a manner, that a fire being made in the body of the instrument of iron for kembing, the kembs receive the heat from the same in such an equall pportion as neither to neal the kembs or burn the wooll, and that for the pressing, the planks or plates being placed in the body of the other instrument, and a fire being made to encompass the same, will heat the planks or plates in so true a degree as wholly to prevent the burning of the goods and the great losses frequently sustained by the traders in the woollen manufacture thereby; to hold and exercise the same within England, Wales, and town of Berwick-upon-Tweed for and during the term of 14 years according to the statute in such case made and provided. Testibz archiepo Cantuar, &c, apd Westm, 27o die Junij, anno pd. By writt, &c.

PALMER.
22nd Sept. 1723.

457. A grant unto MATTHEW PALMER, of the city of London, gent., his exẽtors, admrs, and assignes, of the sole use and benefit of his new invented machine to raise great quantities of water any height out of mines, rivers, pits, pools, or concavities of the earth, within England, Wales, and town of Berwick-upon-Tweed for and during the term of 14 years according to the statute in such case made and provided. Testibꝫ archiepõ Cantuaŕ, &c, apd Westm̃, 22o die Sepŕ, anno p̃d. By writt, &c.

GODFREY.
12th Nov. 1723.

458. A grant unto AMBROSE GODFREY, of the parish of St Paul, Covent Garden, chymist, his exẽtors, admrs, & assignes, the sole use and benefit of a new invencõn by him first introduced into England, consisting of divers casks & other vessels & materials for the extinguishing fires in houses & ships, of which he hath made two publick experiments with good successe; to hold and exercise the same within England, Wales, and town of Berwick-upon-Tweed for and during the term of 14 years according to the statute in such case made and provided. Teste archiepõ, &c, 12o die Novris, anno p̃d.
p bŕe, &c.

THWAITES.
CLIFTON.
5th Dec. 1723.

459. A grant unto THOMAS THWAITES, of London, weaver, & FRANCIS CLIFTON, of Yarmouth, in the county of Norfolk, mercht, their exẽtors, admrs, & assignes, of the sole use and benefit of their severall new invented engines, by certain multiplying wheeles to spin and mix in the first thread wooll, flax, cotton, silk, &c, into a fine, even, & better thread than has hitherto been known or practised in this kingdom; to hold & exercise the same within England, Wales, & town of Berwick-upon-Tweed for and during the term of 14 years according to the statute in such case made & provided, and such clauses, powers, & provisoes are inserted as are usual in grants of like nature. Testibꝫ archiepõ Cantuaŕ, &c, apud Westm̃, 5o die Decris, anno p̃d.
p bŕe, &c.

WOODHOUSE.
27th Jan. 1724.

460. A grant unto ROGER WOODHOUSE, his execrs, admrs, & assignes, of the sole use & benefit of his new invencõn of rendring sow or cast iron malleable by means of sea or pit coal without coaking, whereby he can render the same equally good & fit for the severall purposes of iron made malleable by means of charcoal made of wood, and also prevent such vast quantities of wood being dayly consumed in making iron malleable by the methods now in use, and that multitudes of poor families will be supported in working of coal for the aforesaid purpose, & estates be considerably improved by furnishing what will be necessary for this undertaking; to hold and exercise the same within England, Wales, & town of Berwick-upon-Tweed for & during the term of 14 years according to the statute in such case made and provided. Teste archiepõ, &c, 27o die Jañrij, anno p̃d. p bŕe, &c.

REDRICH.
JONES.
28th Jan. 1724.

461. A grant unto ROBERT REDRICH and THOMAS JONES, their exẽtors, admrs, & assignes, of the sole use and benefit of their new invencõn, as well for staining, veining, spotting, clouding, damasking, and otherwise imitating the various kinds of marble, porphiry, and other rich stones and tortoishell on wood, stone, and earthen ware, and all and every such goods, wares, utensills, & things as are cut, made, or fashioned thereout, as for the making, marbling, veining, spotting, staining, clouding, & damasking any linnen, silks, canvas, paper, & leather; to hold & exercise the same within England, Wales, & town of Berwick-upon-Tweed for & during the term of 14 years according to the statute in such case made and provided. Teste R apd Westm̃, 28o die Janr, anno p̃d. p bŕe, &c.

HINES.
20th Feb. 1724.

462. A grant unto HENRY HINES, of the city of London, founder, his exẽtors, admrs, and assignes, of the sole use & benefit of his new art or method of

raising copper battery cold in coñon battery mills without cramping or nailing, fit for brewing furnaces, kettles, pans, pots, and such like uses, which will be more durable and of far greater use & benefit to the kingdom than those made in any method hitherto used, and is a new invencõn never before practised; to hold & exercise the same within England, Wales, and town of Berwick-upon-Tweed for and during the term of 14 years according to the statute in such case made and provided. Teste R̃ ap^{d} Westm̃, 20mo die Feb^{rij}, anno p̃d. p bŕe &c.

DICKINS. 26th Feb. 1724.

463. A grant unto JOHN DICKINS, esq^{r}, his eẍtors, adm^{rs}, & assigns, of the sole use and benefit of his new invented machine & new method by floats for raising great quantities of water to supply cities & towns, to water lands and gardens, for draining mines & fenny lands, for moving severall sorts of mill work, for moving ships & other vessels, and for severall other usefull purposes; to hold & exercise the same within England, Wales, and town of Berwick-upon-Tweed and in your Maj$^{tie's}$ plantacõns in America, during the term of 14 years according to the statute in such case made and provided. Teste R̃ ap^{d} Westm̃, 26° die Feb^{rij}, anno p̃d. p bŕe, &c.

GREENING. 16th March 1724.

464. A grant unto THOMAS GREENING, nursery man & gardiner, his eẍtors, adm^{rs}, & assignes, of the sole use and benefit of his invencõn of grafting or budding the English elme upon the stock of the Dutch elme, which English elme, being so grafted or budded upon the stock of the Dutch elme, he represents will grow more in five years than the other in eight, whereby the said improvement he humbly presumes will not only be very beneficial to the raisers & planters of trees, but to the nation in generall, by having these elms to grow on such land as the English elme never grew on before, and when planted on better land to much greater beauty, and faster than the English elme usually does; to hold & exercise the same in England, Wales, and town of Berwick-upon-Tweed for and during the term of 14 years according to the statute in such case made & provided. Teste R̃ ap^{d} Westm̃, 16° die Martij, anno p̃d. p bŕe, &c.

TAYLOR. WINTERBOTTOM. 11th April 1724.

465. A grant unto JOHN TAYLOR, of Duckenfield, in the parish of Stockport, in the county of Chester, clockmaker, & ROBERT WINTERBOTTOM, of Ashton-under-line, in the county of Lancaster, carpenter, their eẍtors, adm^{rs}, & assignes, of the sole use and benefit of their new invention of an engine which works with sucking & forming pumps by means of a screw or worm, whereby water may be raised or drawn out of mines, pitts, ponds, &c. to very considerable heights with far more ease and less charge than by any other method hitherto discovered and practised, which they represent will be greatly usefull to the publick & on many private occasions; to hold & exercise the same within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years according to the statute in such case made and provided. Teste R̃ ap^{d} Westm̃, 11° die Aprilis, anno p̃d. p bŕe, &c.

MASON. CHAMFLOWER. 15th April 1724.

466. A grant unto WILLIAM MASON & THOMAS CHAMFLOWER, their eẍtors, adm^{rs}, & assignes, of the sole use & benefit of their new invention of a machine called a siphon, or an attracting engine that works without friction or solids, partly by attraction and partly by force, of great use for preserving ships of warr in engagements, and merchant men in diversity of distress at sea, and for draining mines, moors, & marshes, and also for raising water for extinguishing dangerous fires; to hold and exercise the same within England, Wales, and town of Berwick-upon-Tweed, & Your Maj$^{tie's}$ plantations in America for the term of 14 years according to the statute in such case made & provided. Teste R̃ ap^{d} Westm̃, 15° die Aprilis, anno p̃d. p bŕe, &c.

SCOBELL. 20th May 1724.

467. A grant unto FRANCIS SCOBELL, esq^r, his ex̃tors, adm̃ors, and assignes, of the sole use and benefit of his invenc̃on of an engine and slope or declining wheel for raising water, working of mills, and other usefull purposes; to hold and exercise the same within England, Wales, and town of Berwick-upon-Tweed, for and during the term of 14 years according to the statute in such case made & provided. Teste R̃ ap^d Westm̃, 20^mo die Maij, anno p̃d.
p br̃e, &c.

DUNNING. 20th May 1724.

468. A grant unto RICHARD DUNNING, of Sampford Courtney, in the county of Devon, esq^r, his ex̃tors, adm^rs, and assignes, of the sole use and benefit of his invenc̃on of two engines or machines: viz. one a water engine, for raising or forcing water up in to any town or gentleman's seat, called a floating water engine; and the other a rowing engine, which, when fixed on board of any ship, will force ships of any burthen whatever against winds and tides (if not excessive violent) out of or into any bays or harbours, and other usefull purposes; to hold and exercise the same within England, Wales, and town of Berwick-upon-Tweed for and during the term of 14 years according to the statute in such case made and provided. Teste ut ult. p bre, &c.

FLOWER. 20th May 1724.

469. A grant unto VALENTINE FLOWER, plumber, his ex̃tors, adm^rs, & assignes, of the sole use and benefit of his invenc̃on of an engine and pump, which with little labour and by means of a leveridge and an horizontall fly, without the help of fire, to raise a very great quantity of water out of most depths; to hold and exercise the same within England, Wales, and town of Berwick-upon-Tweed for & during the term of 14 years, according to the statute in such case made and provided. Teste ut ult. p br̃e, &c.

ROGERS. 24th Oct^r 1724.

470. A grant unto THOMAS ROGERS, artificer, his exec^rs, adm^rs, and assignes, of the sole use and benefit of his invenc̃on of a steel worm or rowling spring, to be used in coaches, chariots, or any other carriages, which proves of very great use, and much to the ease of His Maj^tie's subjects when made use of in any the aforesaid carriages; to hold and exercise the same within England, Wales, and town of Berwick-upon-Tweed for and during the term of 14 years, according to the statute in such case made and provided. Teste R̃ ap^d Westm̃, 24^o die Octobris, anno p̃d. p br̃e, &c.

BRENT. 26th Oct. 1724.

471. A grant unto JOHN BRENT, of Honiton, in the county of Devon, his ex̃tors, adm̃ors, and assignes, of the sole use and benefit of his new invenc̃on of a wind engine, which will be usefull in occasioning motion to all sorts of mill work, & for divers other uses and purposes, fare exceeding all wind engines hitherto practised, whose fanes move horizontally, and are so disposed as to work with the wind blowing from any point of the compass, without turning or altering the posic̃on of the said engine or house thereto belonging, and will be of unspeakable benefit and advantage to the publick; to hold and exercise the same within England, Wales, town of Berwick-upon-Tweed, and in His Maj^tie's plantac̃ons in America, for and during the term of 14 years according to the statute in such case made & provided. Teste R̃ ap^d Westm̃, 26^o die Octobris, anno p̃d. p br̃e, &c.

BUMPSTED. 4th Nov. 1724.

472. A grant unto ROBERT BUMPSTED, gent., his exec^rs, adm^rs, and assignes, of the sole use and benefit of his new invented engine or machine for raising water from any depth to any height required, and for the better supplying cities, towns, &c, with water, likewise for floating ships out of docks at any tide, and also for draining and cleansing rivers, docks, or ponds, & lands overflown with water, with wonderfull expedition, and for supplying dry and barren lands with water that now lye wast and useless, that it will work a

mill or mills where no running streams are, without wind or the 20th part of any addiĉonal power, as in such cases is required, and imploy great numbers of poor people that now are burthensome to their respective parishes, and is fit for sundry other beneficial uses; to hold and exercise the same within England, Wales, and town of Berwick-upon-Tweed, and the plantaĉons in America, for and during the term of 14 years according to the statute in such case made and provided. Teste R, &c, apd Westm̃, 4o die Novembris, anno p̃d. p bre, &c.

White. 23rd Dec. 1724.

473. A grant unto Henry White, of the city of Bristol, gent., his execrs, admrs, & assignes, of the sole use and benefit of his new invenĉon of an engine for raising and discharging water in and out of ships with much less labour and difficulty than by common pumps, which will be of great service in cases of fire and other kinds of extremity and distress, and fit for many other usefull purposes; to hold and exercise the same within England, Wales, and town of Berwick-upon-Tweed for and during the term of 14 years according to the statute in such case made and provided. Teste, &c, ut ult. p bre, &c.

Workman. 10th Feb. 1725.

474. A grant unto James Workman, of the city of London, chocolate maker, his execrs, admrs, and assignes, of the sole use and benefit of his new invention of a machine wherewith to make chocolate much finer and to greater perfecĉon, as well at a much less expense than it is now made in this kingdom; to hold and exercise the same within England, Wales, and town of Berwick-upon-Tweed for and during the term of 14 years according to the statute in such case made and provided. Teste R apd Westm̃, 10m die Februarij, anno p̃d. p bre, &c.

Smith. 11th Feb. 1725.

475. A grant unto Thomas Smith, esquire, his execrs, admrs, and assignes, of the sole use and benefit of his new invenĉon of an engine to row ships ahead, with oars, against wind and tide, or stemming a current, carrying ships of warr in or out of harbours or line of battle, usefull for fireships or bomb vessels, also to gett up with or leave any ship at sea when wind is wanting convenient in many cases, especially when ships have lost all their masts and jury masts, for packets and cruizers, and of service in suppressing pirates and smugglers, of great advantage to the kingdome and merchants in general, but more particularly that use the Lisbon Streights, Gibralter, Vere of Messina, the East and West India trades; to hold and exercise the same within England, Wales, and town of Berwick-upon-Tweed, and in His Majtie's plantaĉons in America, for and during the term of 14 years according to the statute in such case made and provided. Teste R apd Westm̃, 11o die Februarij, anno p̃d. p bre, &c.

Nuttall. Shyrin. 5th April 1725.

476. A grant unto Thomas Nuttall and Joseph Shyrin, their exĉors, admrs, & assignes, of the sole use and benefit of their new invenĉon of an engine for supplying all cities, corporaĉons, and towns with water, and for draining tinn, lead, and coal mines, or overflow'd lands & marshes, much easier than has hitherto been known or practised in His Mtie's dm̃ons, which will be likewise of great use on shipboard in case of leakes, and of general advantage to His Mtie's kingdom; to hold and exercise the same within England, Wales, and town of Berwick-upon-Tweed for and during the term of 14 years according to the statute in such case made and provided. Teste R apd Wesm̃, 5o die Apr̃, anno p̃d. p bre, &c.

Woodroffe. 26th April 1725.

477. A grant unto George Woodroffe, of Sherfield, in the county of Southton, miller, of the sole use and benefit of his new invenĉon of a machine or water engine for the better clearing and takeing out all dust and soil from wheat or any other sort of grain; to hold, &c, ut supra. Teste R apd Westm̃, 26o die Apr̃, anno p̃d. p bre, &c.

PAJON.
3rd June 1725.

478. A grant unto DANIEL PAJON, of Blackwall, in the county of Middlesex, gent., his exĕtors, admrs, & assignes, of the sole use and benefit of his new invencon of a certain mixture or ꝑparation, wch being applied and well paied to the bottome of any vessell or elsewhere will so far penetrate into the plank as to become one substance with the wood to which it is laied on and paied as aforesaid, keeping the worms from eating through the plank, preserving the same from decay, and entirely freeing the bottom from other accidents and vermine detrimental to shipping; to hold and exercise the same within England, Wales, & town of Berwick-upon-Tweed for & during the term of 14 years according to the statute in such case made and provided. Teste, &c, ut ult.

NEWSHAM.
5th June 1725.

479. A grant unto RICHARD NEWSHAM, his exĕtors, admrs, & assignes, of the sole use & benefit of his new invencon of an engine for quenching & extinguishing fires, & all improvements thereof; and also of his new invencons of three different kinds for raising water to any height required; & of his invencon of an usefull bush or box for the spindle neck of a corn mill to runn in, which will totally prevent any ill consequences that frequently happen in the method now universally in practice, and will work with much less water, wind, or any other given power than has hitherto been found out; to hold and exercise the same within England, Wales, and town of Berwick-upon-Tweed for and during the term of 14 years according to the statute in such case made and provided. Teste R apd Westm̃, 5o die Junij, anno ꝑd. ꝑ brĕ, &c.

EDWARDS.
28th June 1725.

480. A grant unto WILLIAM EDWARDS, gent., his exĕtors, admrs, & assignes, of the sole use and benefit of his new invencon or method for making of pipes with clay or earth for the conveying of water under ground from place to place, and which will be of singular use for the carrying of water from the tops of houses and buildings; to hold and exercise the same within England, Wales, & town of Berwick-upon-Tweed for & during the term of 14 years according to the statute in such case made and provided. Testibꝫ archiepo Cantuar̃, &c, apd Westm̃, 28o die Junij, anno ꝑd. ꝑ brĕ &c.

DEANE.
10th Dec. 1725.

481. A grant unto WILLIAM DEANE, of London, mathematical instrument maker, his exĕtors, admrs, & assignes, of the sole use & benefit of his new invented engine for extinguishing of fires and any other uses in raising great quantities of water, in which are severall new and usefull contrivances, whereby any house may be immediately supplied with any quantity of water, and thereby greatly secured against fires, and have always water in readiness to extinguish the same; to hold and exercise the same within England, Wales, and town of Berwick-upon-Tweed for and during the term of 14 years according to the statute in such case made and provided. Testibꝫ &c, 10mo die Decris, anno ꝑd. ꝑ brĕ, &c.

TEETON.
15th Dec. 1725.

482. A grant unto THOMAS TEETON, of London, silk thrower, his exĕtors, admrs, & assigns, of the sole use & benefit of his new invencon of an engine or machine called a shaiter, for the better & more easy perfecting the throwing & manufacturing of all sorts of fine, single, & double raw silk; to hold & exercise the same within England, Wales, & town of Berwick-upon-Tweed for and during the term of 14 years according to the statute in such case made and provided. Testibꝫ &c, 15o die Decris, anno ꝑd. ꝑ brĕ, &c.

OKELL.
31st March 1726.

483. A grant unto BENJAMIN OKELL, chymist, his exĕtors, admrs, & assignes, of the sole use and benefit of his new chymical prperation and medicine which he hath styled Dr Bateman's pectoral drops, exceeding all other medicines yet found out for the rheumatism, & highly usefull under the afflictions of the stone, gravell, agues, & hystericks; to hold & exercise the same within England, Wales, & town of Berwick-upon-Tweed for & during the term of 14 years according to the statute in such case made & provided. Teste Rege apd Westm̃, 31mo die Martij, anno ꝑd. ꝑ brĕ, &c.

HINTON. 21st July 1726.

484. A grant unto WILLIAM HINTON, his exẽtors, admẽors, & assignes, of the sole use and benefit of his invencõns and improvements in extracting and calcining the lixiviate salt of ashes of wood & other vegetables, which will be of great benefit to trade & to his M^tie's plantacõns in general, which may by means thereof be supplyed with pot ash, pearl ash, and other fixt salts of ashes, of what kind soever now imported from foreign countreys, and save considerable sums of money sent abroad to purchase the said comodities from the Baltick and elsewhere; to hold and exercise the same within England, Wales, & town of Berwick-upon-Tweed and in His Mẽie's plantacõns in America, for & during the term of 14 years according to the statute in such case made & provided. Teste Rege ap^d Westm̃, 21^mo die Julij, anno p̃d.
p bre, &c.

ROWE. 21st July 1726.

485. A grant unto JACOB ROWE, of the city of London, gent., his exec^rs, adm^rs, & assignes, of the sole use & benefit of his new invencõn of pumping water without the least friction or the suckers touching the sides of the pump, the avoiding of which friction will in a great measure lessen the want of the usual powers in raising water, to obviate which he hath applied a power by means of a screw contrived suddenly to fly up and down, whereby several pumps with little labour and small charges may be worked at one time, tending very much to the advantage of His Mẽie's subjects; and also the sole use and benefit of his new method of exhausting air out of vessels or making a vacuum, causing thereby a sudden rise of water in such manner and in such quantities as will appear to be entirely new; to hold and exercise the same within England, Wales, & town of Berwick-upon-Tweed for and during the term of 14 years according to the statute in such case made and provided. Teste &c, ut supra.
p bre, &c.

ROWE. 21st July 1726.

486. A grant unto the said JACOB ROWE, his exec^rs, adm^rs, & assignes, of the sole use & benefit of his new invented engine for the more effectual raising of water, both in quantity & height, acted either by generated, expanded, or compressed air, which will be of considerable service to His Maj^tie's kingdomes & plantacõns, and also of the sole use & benefit of his new method for the further improvement of the use of fire, whereby all sorts of vessels with water or other liquids will suddenly be made hot with considerably lesser quantity of fuel than usual, which will be of benefit in saving charges to His Maj^tie's subjects in general, and more especially to some particular trades in which fuel is a very great part of their expense; to hold and exercise the same within England, Wales, & town of Berwick-upon-Tweed for and during the term of 14 years according to the statute in such case made & provided. Teste, &c, ut ult.
p bre, &c.

BENSON. 5th Nov. 1726.

487. A grant unto THOMAS BENSON, of Newcastle-under-Line, in the county of Stafford, engineer, his exẽtors, adm^rs, and assignes, of the sole use and benefit of his new invencõn of an engine or method for the more expeditious working & p^rparing flint stones for the service of the manufacture of white pots in England, whereby all the hazards and inconveniences frequently attending the workmen employed therein will effectually be prevented, to the great improvement and advantage of the said trade; to hold and exercise the same within England, Wales, and town of Berwick-upon-Tweed for and during the term of 14 years according to the statute in such case made and provided. Teste R̃ ap^d Westm̃, 5^o die Nov^ris, anno p̃d.
p bre, &c.

WAYT. 16th Jan. 1727.

488. A grant unto JOHN WAYT, gent., his exẽtors, admẽors, and assignes, of the sole use & benefit of his new invencõn and method to save coals or other fuels in boyling brine and making it into salt, in such manner as he shall, by an instrument in writing under his hand and seal, to be inrolled in the Court

of Chancery within one kalendar month from the date hereof, more particularly describe and ascertain; to hold and exercise the same w^th^in Engl^d^, Wales, and town of Berwick-upon-Tweed for & during the term of 14 years according to the statute in such case made and provided. Teste R̃ ap^d^ Westm̃, 16° die Januarij, anno p̃d. p br̃e, &^c^.

Wood. 21st Jan. 1727.

489. A grant unto Francis Wood, of Hampstead, in the county of Middlesex, merchant, his ex̃tors, adm^rs^, and assignes, of the sole use and benefit of his new invenc̃on of separating pig or sow iron from iron stone or iron mine, by means of sea or pit coal in an air furnace, by the use whereof only he can render the same equally good and fit for the several purposes of pig or sow iron made with charcoal, and the using of sea or pit coal only on this occasion will entirely remedy the great scarcity of wood so generally complained of, by preventing the great quantities which are daily consumed in separating pig or sow iron by the methods now in use; to hold and exercise the same within England, Wales, and town of Berwick-upon-Tweed for and during the term of 14 years according to the statute in such case made and provided. Teste R̃ ap^d^ Westm̃, 21^mo^ die Jan^rij^, anno p̃d. p br̃e, &^c^.

Fallowfield. 9th Feb. 1727.

490. A grant unto William Fallowfield, geñ, his ex̃tors, adm^rs^, & assignes, of the sole use and benefit of his new invenc̃on of smelting or melting down iron oar or iron stone into pig iron or sow iron, and of refining and drawing out the same into bar iron, with the help of fuel different from any that has been prepared or used before his having found out or put in practice his aforesaid invenc̃on, in such manner as he shall, by an instrument or writing under his hand and seal, to be inrolled in the Court of Chancery within three kalendar months from the date hereof, more particularly describe and ascertain; to hold and exercise the same within England, Wales, and town of Berwick-upon-Tweed for and during the term of 14 years according to the statute in such case made and provided. Teste R̃ ap^d^ Westm̃, 9° die Feb^rij^, anno p̃d. p br̃e, &^c^.

Tooke. 14th April 1727.

491. A grant unto Nicholas Tooke, geñ, his ex̃tors, adm^rs^, & assignes, of the sole use and benefit of his new invented mixture or composic̃on to fluxe and make glass at a much less charge than with wood ashes or any other ingredients hitherto made use of for that purpose, and likewise a third part of fire and workmanship; to hold and exercise the same within England, Wales, and town of Berwick-upon-Tweed for and during the term of 14 years according to the statute in such case made and provided. Teste, &^c^, ut ult.

Le Blon. 1st May 1727.

492. A grant unto James Christopher le Blon, his ex̃tors, adm^rs^, & assignes, of the sole use and benefit of his new invenc̃on of the art of weaving tapistry in the loom, a secret never known or practised before, which, for its beauty, durableness, and cheapness, far excells any tapistry ever yet made, and will be extremely beneficial to this His M̃tie's kingdome; to hold and exercise the same within England, Wales, and town of Berwick-upon-Tweed for and during the term of 14 years according to the statute in such case made and provided. Teste R̃ ap^d^ Westm̃, 11^mo^ die Maij, anno p̃d. p br̃e, &^c^.

Blanchard. Blanchard. 30th May 1727.

493. A grant unto Richard Blanchard, geñ, and Peter Blanchard, engine weaver, their exec^rs^, adm^rs^, and assignes, of the sole use and benefit of their new invention for making of sapping silk lacing, both round and flat, which makes sixteen and more by one single motion, as good in all respects as those usually made by hand labour whereby they are only made one by one, that by means of the said engine, which may be worked by one man alone, as much of the said lacing can be made in a day as twenty men can

make by the method hitherto known and used, whereof the same may be manufactured in such quantities as to enable a very great exportacõn to be made thereof to foreign parts, where there is a much greater call for it than the trade can at present supply by the common method yet in use, to the great advantage of this nation; to hold and exercise the same within England, Wales, and town of Berwick-upon-Tweed for and during the term of 14 years according to the statute in such case made and provided. Teste R̃ apd Westm̃, 30mo die Maij, anno p̃d. p bre, &c.

Newsham. 8th June 1727.

494. A grant unto Richard Newsham, of the city of London, engine maker, his extors, admrs, and assignes, of the sole use and benefit of his new invencõn of a sort of stirrup leathers and stirrups and housens, which are so contrived that they will rather cool the horses than heat them, and being made completely stiff will secure the rider from falling when the horse starts aside in leaping over hedges in hunting, &c, which will prevent the fatal consequences often attending unskilfull riders; to hold and exercise the same within England, Wales, and town of Berwick-upon-Tweed for and during the term of 14 years according to the statute in such case made and provided. Teste R̃ apd Westm̃, 8o die Junij, anno p̃d. p bre, &c.

Lund. Hanksbee. 3rd Feb. 1728.

495. A grant unto Benjamin Lund, of the city of Bristol, merchant, and Francis Hanksbee, of the city of London, genr̃, their extors, admrs, and assignes, of the sole use and benefit of their new invencõn or method of manufacturing copper ores, extracting of silver from them, and making of brass to be cast into plates, ingots, rods, kettles, and other utensils in metal moulds, by a new way of mixing the copper with the calamy and charcoal and making thereof brass without pot or pots, which they conceive will tend to the benefit and advantage of the kingdom in general and to all persons concerned in the copper and brass manufactures; to hold and exercise the same within England, Wales, and town of Berwick-upon-Tweed for and during the term of 14 years according to the statute in such case made and provided; and they are to ascertain, by writing under their hands and seals, to be inrolled in the High Court of Chancery within one kalendar month from the date hereof, in what materials their said invencõn consists. Teste R̃, &c, ut ult. p bre, &c.

Billingsley. 6th May 1728.

496. A grant unto Case Billingsley, of Tottenham, in the county of Middlesex, merchant, his executors, admrs, and assignes, of the sole use and benefit of his new invencõn of plain, easy, cheap, and strong engines for raising any large quantities of water, or any other liquid to any comõn or reasonable height required, with much less charge in working and repairing than any that are now in use, which will be of great advantage to most of His Majesty's subjects in supplying cities, villages, and particular p̃sons with sufficient quantities of water for ordinary uses in their families and trades, and also for extinguishing fires, draining of mines, and many other usefull purposes, by supplying any sort of works with plenty of water either for profit or pleasure; to hold and exercise the same within England, Wales, and town of Berwick-upon-Tweed for and during the term of 14 years according to the statute in such case made and provided. Teste R̃ apd Westm̃, 6o die Maij, anno p̃d. p bre, &c.

Robinson. Hanksbee. 9th May 1728.

497. A grant unto Benjamin Robinson and Francis Hanksbee, of the City of London, esqrs, their execrs, admrs, and assignes, of the sole use and benefit of their new invencõn of preserving plank and sheathing of ships, which will not only effectually prevent the worms and other shell insects

from eating and fouling their bottomes, but enable the ships so sheathed, even in their long voyages, to outsail any other ships of the same burthen and forme; to hold and exercise the same within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years according to the statute in such case made and provided. Teste R̃ apd Westm̃, 9o die Maij, ann̄ p̄d.
p bŕe, &c.

MOORE. 21st May 1728.

498. A grant unto BRYAN MOORE, of Bawtry, in the county of York, joyner, his execrs, admrs, and assignes, of the sole use and benefit of his new invenc̄on of an engine or a machine for the boreing of stone, either free stone or greit stone, either strait, square, or circular, for pipes, pumps, and other uses, and of the sole vending the said pipes and pumps when made, which will be five times more durable than wood ones, and, wood growing very scarce for such uses, will be of very great service to the nation in general; to hold and exercise the same within England, Wales, and town of Berwick-upon Tweed for and during the term of 14 years according to the statute in such case made and provided. Teste R̃ apd Westm̃, 21mo die Maij, anno p̄d.
p bŕe, &c.

HODGHON. 7th June 1728.

499. A grant unto READ HODGHON, of Witton-upon-Wear, in the county of Durham, genr̄, his execrs, admrs, & assignes, of the sole use and benefit of his new invenc̄on of making corf bows of iron, with springs and screws thereunto belonging, (a corf being what contains the coals as they are drawn up the shaft or pit out of the coal mines,) instead of bows hitherto made of young trees for the said use, which bows, so made of iron, will effectually answer the same, and many thousand young trees be thereby yearly preserved, to the manifest advantage of the publick and nation in general; to hold and exercise the same within England, Wales, and town of Berwick-upon-Tweed for and during the term of 14 years according to the statute in such case made and provided. Teste R̃ apd Westm̃, 7o die Junij, anno p̄d.
p bŕe, &c.

CHAPMAN. 27th July 1728.

500. A grant unto WILLIAM CHAPMAN, of the city of London, coach & coach harness maker, his execrs, admrs, and assignes, of the sole use and benefit of his new invenc̄on of a chaise or chair with two wheels, to be drawn with one horse in or between a pair of shafts, which is so contrived as to quarter the roads by the person riding in it without let or hindrance, so as to keep exactly in the coach track, by which means the person in such carriage may travel with more expedition, safety, and pleasure to himselfe and horse than in anything of the like nature hitherto invented; to hold and exercise the same within England, Wales, and town of Berwick-upon-Tweed for and during the term of 14 years according to the statute in such case made and provided. Teste R̃ apd Westm̃, 27o die Julij, anno p̄d.
p bŕe, &c.

ELTON. 27th July 1728.

501. A grant unto JOHN ELTON, mariner, his execrs, admrs, and assignes, of the sole use and benefit of his new invented instrument for taking the sun's altitude, both at sea and land, with much greater ease and exactness than any yet made use of or invented, to the great benefit of navigation and of His Mt̄ie's subjects and kingdomes; to hold and exercise the same within England, Wales, and town of Berwick-upon-Tweed for and during the term of 14 years according to the statute in such case made and provided. Teste R̃, &c, ut ult.
p bŕe, &c.

WOOD. 18th Sept. 1728.

502. A grant unto WILLIAM WOOD, esqr, his execrs, admrs, and assignes, of the sole use and benefit of his new invenc̄on to make raw iron or iron metal, p̄pared in an air furnace with pit coal, imediately from iron stone, iron mine, or iron ore, being different from and much better and finer than sow or pig

iron ; to hold the same within England, Wales, and town of Berwick-upon-Tweed for and during the term of 14 years according to the statute in such case made and provided. Teste R ap^{d} Westm̃, 18^{o} die Septembris, anno p̃d.
p bre, &c.

BROWNE. 5th Oct. 1728.

503. A grant unto HENRY BROWNE, esq^{r}, his exec^{rs}, adm^{rs}, and assignes, of the sole use and benefit of his new invenc̃on or method of making cannon or great guns, both in iron and brass, which will be much shorter, lighter, and with less powder carry farther than those of equal bore now in use, that by this invenc̃on the powder to charge them will be at least one eighth less than is now required, the guns about one sixth shorter than those now cast, and the force of them near one sixth greater than what the present guns of equal bore now are, whereby a considerable expense may be saved both in metal and powder, heavy burthens lightened, and an enemy annoyed with more readiness off hand than has hitherto been discovered ; to hold and exercise the same within England, Wales, and town of Berwick-upon-Tweed for and during the term of 14 years according to the statute in such case made and provided ; and a clause is inserted for obliging him to describe and ascertain the nature and materials of his said invenc̃on, by writing under his hand and seal, to be inrolled in the High Court of Chancery within one kalendar month from the date hereof. Teste R apud Westm̃, 5^{o} die Octobris, anno p̃d.
p bre, &c.

STAMMERS. 4th Nov. 1728.

504. A grant unto WILLIAM STAMMERS, his exec^{rs}, adm^{rs}, and assignes, of the sole use and benefit of his invenc̃on of a new ingredient by which he can ameliorate or rectify spirits drawn or distilled from malt, molossos, and other liquors in such a manner as will render them safe and pleasant, and equally wholsome with French brandy, which will be of universal benefit, occasion a greater revenue to His M̃tie, and enable the exercisers of such art to bear chearfully any duty that is or shall be laid on spirits ; to hold and exercise the same within England, Wales, and town of Berwick-upon-Tweed according to the statute in such case made and provided. Teste R ap^{d} Westm̃, 4^{o} die Novembris, anno p̃d.
p bre, &c.

PAYNE. 21st Nov. 1728

505. A grant unto JOHN PAYNE, of Bridgewater, in the county of Somerset, merchant, his exec^{rs}, adm^{rs}, and assignes, of the sole use and benefit of his invenc̃ons of an engine to be moved by pressure of the air into any building where large fires are made use of, by which fires the air is so rarified that the pressure of the air from without, through an avenue into the building, is of sufficient force to turn or drive a wheel that will grind corn, move large hammers, raise water, or perform any other work that is done by the force of wind, water, or horses; and of his new method of applying the heat of fire made of pit coal, wood, or turfe to a much greater advantage than hitherto practised, by extending the heat of one and the same fire to two, three, or more furnaces, coppers, boylers, stills, or other vessels for the melting of all sorts of metals or metaline oar, drying of malt and meal, brewing or distilling, and in the refining and making of salt, and many other usefull purposes ; and also of his new method by which pig or sow iron, being put into fusion with divers ingredients, will be brought into a state of malleability, and so drawn into barrs by the com̃on use of the forge hammer ; to hold and exercise the same within England, Wales, and town of Berwick-upon-Tweed for and during the term of 14 years according to the statute in such case made and provided ; and a proviso is inserted for obliging the said John Payne particularly to ascertain and describe the species of the ingredients he uses to render pig or sow iron malleable as aforesaid, by writing under his hand and seal, to be inrolled in the High Court of Chancery within one kalendar month from the date hereof. Teste R apud Westm̃, 21mo die Nov^{ris}, anno p̃d.
p bre, &c.

LIVEINGS. 19th Feb. 1729.

506. A grant unto THOMAS LIVEINGS, genĩ, his execrs, admrs, and assignes, of the sole use and benefit of his new invencon or method of making a compound manure for enriching and mending all sorts of land, at one third part of the expense less than in the comon method of manuring land amounts to, not only from the cheapness, but also for goodness, in causing the land to produce one third in quantity more than any other manure, and by preserving the wheat from smutt, and killing the grubs which sometimes destroy whole fields of corn, which will be very beneficial to His Majtie's subjects and to the nation in general; to hold and exercise the same within England, Wales, and town of Berwick-upon-Tweed for and during the term of 14 years according to the statute in such case made and provided. Teste R apd Westm̃, 19o die Febrij, anno p̃d. p br̃e, &c.

BEWLEY. HOLTHAM. 10th March 1729.

507. A grant unto THOMAS BEWLEY, plumber, and THOMAS HOLTHAM, clockmaker, citizens of Coventry, their execrs, admrs, and assignes, of the sole use and benefit of their new invencon of an engine or machine for the raising of water more extensively, by alternate expulsion, rarefaccon, or exhausting of air, and pressure of the atmosphere (without the help of fire) from a deeper to a higher degree than heretofore, whereby towns and gardens, &c, may be supplyed with water, and mines, pits, docks, and fenns, &c, may be emptied and drained, by a more expeditious and cheaper method than hath been invented or used before; to hold and exercise the same within England, Wales, and town of Berwick-upon-Tweed for and during the term of 14 years according to the statute in such case made and provided. Teste R apd Westm̃, 10mo die Martij, anno p̃d. p br̃e, &c.

BEDWELL. 19th April 1729.

508. A grant unto MARTIN BEDWELL, genĩ, his ex̃tors, admrs, & assignes, of the sole use and benefit of his new invencon for spinning, working, and weaving of hemp, flax, and hair by a more true, easy, and different way than hath hitherto been found out, and which will prove very advantageous to the poor and to the publick in general; to hold and exercise the same within England, Wales, and town of Berwick-upon-Tweed for and during the term of 14 years according to the statute in such case made and provided. Teste R apud Westm̃, 19o die Aprilis, anno p̃d. p br̃e, &c.

FABENE. CAMPBELL. 8th May 1729.

509. A grant unto WILLIAM FABENE and EDWARD CAMPBELL, genĩ, their execrs, admr̃ors, & assignes, of the sole use and benefit of their new invencon of a certain safe and infallible remedy for smoky chimneys or any annoyance therefrom, which they perform by what they call an established mantle chimney, being fixt upon the top of the chimney, without doors, and can be made of brick and lime or any other building materials; to hold and exercise the same within England, Wales, and town of Berwick-upon-Tweed for and during the term of 14 years according to the statute in such case made and provided. Teste R apd Westm̃, 8o die Maij, anno p̃d. p br̃e, &c.

BELL. 9th May 1729.

510. A grant unto SAMUEL BELL, genĩ, his execrs, admrs, & assignes, of the sole use and benefit of his new invencon or method of making a red marble stone-ware with mineral earth found within this kingdom, which being firmly united by fire will make it capable of receiving a gloss so beautiful as to imitate if not to compare with rubie; that the said stone-ware may be formed into vessels for any necessary use, or into ornaments for houses or gardens, such as jarrs, flower-pots, &c, it being the most perfect in its kind that hath ever yet appeared in this part of Europe; to hold and exercise the same within England, Wales, and town of Berwick-upon-Tweed for and during the term of 14 years according to the statute in such case made and provided. Teste R apud Westm̃, nono die Maij, anno p̃d. p br̃e, &c.

HANKSBEE. 16th May 1729.

511. A grant unto FRANCIS HANKSBEE, of the city of London, esq^{r}, his exec^{rs}, adm^{rs}, & assignes, of the sole use and benefit of his new invenc̃on of applying the centrifugal force of a body moving in a curve line to the moving of all the various kinds of mechanical and hydraulical engines or instruments which are now in use or that may hereafter be invented, by the application of which power the effects of all the aforesaid engines will be rendered much greater and withall less expensive than they are at present; to hold and exercise the same within England, Wales, and town of Berwick-upon-Tweed for & during the term of 14 years according to the statute in such case made and provided. Teste Regina, &^{c}, apud Westm̃, 16^{o} die Maij, anno p̃d.

p bre, &^{c}.

PHILLIPS. 11th July 1729.

512. A grant unto ROBERT PHILLIPS, of the parish of S^{t} Giles-in-the-Fields, in the county of Middlesex, bricklayer, his exec^{rs}, adm^{rs}, and assignes, of the sole use and benefit of his new invenc̃on for curing smoaky chimneys, which invenc̃on also warms a room in every part equally, and in a few minutes may be made hotter or colder according to the weather, so likewise a room opening into it may be made equally warm by opening the door, which will be a better means of preserving paintings, books, or any other furniture from damps or mildews than any other invenc̃on hitherto found out; to hold and exercise the same within England, Wales, and town of Berwick-upon-Tweed for and during the term of 14 years according to the statute in such case made and provided. Teste Regina, &^{c}, ap^{d} Westm̃, 11^{o} die Julij, anno p̃d.

p bre, &^{c}.

ALLEN. 7th August 1729.

513. A grant unto JOHN ALLEN, d^{r} in physick, his ex̃tors, adm^{rs}, & assignes, of the sole use & benefit of his invenc̃on of a new method of heating and boyling water and other liquors with far less expense than by any method now in use, which will be of great service in working of engines for raising of water by fire, and also in brewing, distilling, and all other uses where great fires are required; and also of his new invenc̃on for the application of certain powers to give moc̃on to engines, whereby a ship may be navigated in a calm, from whence innumerable advantages will accrew in sailing and be a great preservation to His Maj$^{tie's}$ subjects in engagements at sea, and will be also of great use in draining of mines and for performing of other great works where force is required; and likewise of his new method to dry malt with any sort of fuel, whereby the malt will be rendered sweeter and the beer brewed therewith will be much more pleasant and wholesome; to hold and exercise the same within England, Wales, and town of Berwick-upon-Tweed for and during the term of 14 years according to the statute in such case made and provided. Teste, &^{c}, ut ult. p bre, &^{c}.

CHURCHMAN. 24th Jan. 1730.

514. A grant unto WALTER CHURCHMAN, of the city of Bristol, his executors, adm^{rs}, & assignes, of the sole use and benefit of his new invenc̃on or method for the expeditious, fine, and clean making of chocolate by an engine, in such manner and with such materials as he shall describe and ascertain to be the nature of his said invenc̃on, by an instrument or writing under his hand and seal, to be inrolled in the High Court of Chancery within two kalendar months from the date hereof; to hold and exercise the same within England, Wales, and town of Berwick-upon-Tweed for and during the term of 14 years according to the statute in such case made and provided. Teste Rege ap^{d} Westm̃, 24^{o} die Jañrij, anno p̃d. p bre, &^{c}.

KAY. 8th May 1730.

515. A grant unto JOHN KAY, of Bury, in the county of Lancaster, reed maker, his exec^{rs}, adm^{rs}, and assignes, of the sole use and benefit of his new invenc̃on of an engine for making, twisting, and cording mohair and worsted,

and twining and dressing of thread fit for the use of button makers, taylors, and others working with the same, whereby greater quantities can be made with much less trouble and greater expedicon, and the mohair and thread made much better, more merchantable and fit for use than by any other method heretofore used, to the great benefit of the publick; to hold the same within England, Wales, and town of Berwick-upon-Tweed for and during the term of 14 years according to the statute in such case made and provided. Teste R ap^d Westm, ut ult. p br̃e, &c.

HOLMES. 9th May 1730.

516. A like to WILLIAM HOLMES, of the city of London, gen̄, of the sole use and benefit of his new invencon of a pole mast vessel for the better & more expeditious and easy catching, preserving, and stowing of all sorts of fish; to hold the same as above. Teste R ap^d Westm, nono die Maij, anno p̄d. p br̃e, &c.

HAMBLIN. 14th July 1730.

517. A grant unto Capt. ROBERT HAMBLIN, his ex̄ors, adm^rs, and assigns, of the sole use and benefit of his new invencon or method for distinguishing of lights, whereby one light may be perfectly known from another, and consequently every ship's crew or single mariner be informed and know where they are or what coast they are off, as well in the night as if it was day; to hold and exercise the same within England, Wales, and town of Berwick-upon-Tweed for and during the term of 14 years according to the statute in such case made and provided. Teste R ap^d Westm^r, 14° die Julij, anno p̄d. p br̃e, &c.

STANYFORTH. FOLJAMBE. 21st Sept. 1730.

518. A grant unto DISNEY STANYFORTH, esq^re, and JOSEPH FOLJAMBE, yeoman, their ex̄ors, adm^rs, and assignes, of the sole use and benefit of their new invention of a new sort of plough, by which the farmers may plough with greater ease and less charge than with the ploughs hitherto used; that the number of horses used at p̄sent to work two ploughs will be sufficient to work three of these new sort of ploughs, by which means three acres of ground instead of two acres may be ploughed at the same charge and within the same time; to hold and exercise the same within England, Wales, and town of Berwick-upon-Tweed for and during the term of 14 years according to the statute in such case made and pvided; provided they do particularly describe and ascertain the nature of their said invencon, by writing under their hands and seals, to be inrolled in the High Court of Chancery within two calendar months from the date hereof. Teste R ap^d Westm^r, 21° die Septembries, anno p̄d. p br̃e, &c.

WILDER. 21st Sept. 1730.

519. A grant unto RICHARD WILDER, of the city of London, silk thrower, his ex̄ors, adm^rs, and assigns, of the sole use and benefit of his several new invencons for improving the art of throwing silk hereafter mencoued: viz^t, the first is by supplying the place of the hand in winding and the want of the lead in throwing of raw silk by the pressure of two smooth surfaces; also two machines for doubling and yielding together three threads of raw silk; and another machine (with bobbins fitted thereto) to double raw silk on the spindle as the same moves round in throwing; and likewise a frame, and bobbins put on the spindle, for the more expeditious throwing of single and double raw silk; and also a new invented foot wheel for the more even and perfect drawing of single raw silk; to hold and exercise the same within England, Wales, and town of Berwick-upon-Tweed for and during the term of 14 years according to the statute in such case made and pvided. Teste R ap^d Westm, 21° die Sept^ris, anno p̄d. p br̃e, &c.

GASTINEAN. MONS. 9th Oct. 1730.

520. A grant unto JOHN GASTINEAN and WILLIAM MONS, of Spittlefields, weavers, their ex̄tors, adm^rs, & assigns, for the sole use and benefit of their new invencon of making and manufacturing silk mourning crapes, comonly

known by the name of Vallæ Cypres, or Bolognia crapes, hitherto manufactured in Italy only, and from thence, to the great ꝑfit of the Italians, imported into this kingdom ; by which invenc̃on great numbers of the poor will be employed, the importac̃on of raw silks increased, and the said goods, being in every respect as good as those imported, will be sold considerably cheaper, to the great advantage of His Mt̃ie's subjects; to hold and exercise the same, &c (ut supra). Teste Rege apd Westmr, 9o die Octris, anno ꝑd. p bre, &c.

Harris. 22nd Oct. 1730.

521. A grant unto John Harris, horpsichord and spinnet maker, of the city of London, his exors, admrs, and assignes, of the sole use and benefit of his new invenc̃on of an harpsichord, which (having only two sets of strings) may be performed either one or two unisons, or two unisons and one octave, either in the forts or pianos, or loud or soft, and the contrary, may be executed as quick as thought, and also double basses, by touching only single keys, whereby hard divisions to the basse part may be well played in a double manner without the thumb and finger together; to hold and exercise the same, &c (ut antea). Teste Rꝛ apd Westm̃, 22o die Octris, anno ꝑd. p bre, &c.

Kettle. 22nd Oct. 1730.

522. A grant unto George Kettle, his extors, admrs, & assignes, of the sole use and benefit of his new invenc̃on, way, or method for making or dying men or women's black hatts with white or any other coloured ruffs, which by the com̃on methods of making hatts with ruffs are only black; to hold & exercise the same, &c (ut supra). Teste Rꝛ, &c, ut ultº. p bre, &c.

Hutchins. 2nd Nov. 1730.

523. A grant unto Samuel Hutchins, of the city of Bristol, refiner, his extors, admrs, & assignes, of the sole use and benefit of his new invenc̃on of extracting and ꝑserving sulphur contained in mundic, and which at ꝑsent is of no advantage to the owners, but on the contrary an incumbrance on the land where it lies, which sulphur, by proper ꝑparac̃on and refining, will answer the end of that imported from abroad; to hold and exercise the same within England, Wales, and town of Berwick-upon-Tweed for and during the term of 14 years according to the statute in such case made and ꝑvided. Teste Rꝛ, &c, ut ultº. p bre, &c.

Roberts. 7th Dec. 1730.

524. A grant unto George Roberts, of the city of London, chymist, his extors, admrs, & assignes, of the sole use and benefit of his new invenc̃on or method for improving, graduating, and better perfecting metals & their oars by ꝑpared salts, sulphurs, and other ingredients under a ꝑper regulac̃on, who can thereby extract or produce much more silver from lead and the oar than hath been accustomed by the com̃on methods of smelting and refining now in use; to hold and exercise the same wthin England, Wales, and town of Berwick-upon-Tweed for & during the term of 14 years according to the statute in such case made and ꝑvided. Teste Rꝛ apd Westm̃, 7o die Decris, ꝑd. p bre, &c.

Barton. 17th Dec. 1730.

525. A grant unto William Barton, his exors, admrs, & assignes, of the sole use and benefit of his new invenc̃on of pens of silver, brass, steel, and all other sorts of metals to improve the use of harpsichords and spinnets (musical instruments) which will improve the tone of the said instruments, and last many years without amendment, crow and raven's quills, of which they are now made, requiring frequent charge & trouble in repairing; to hold and exercise the same within England, Wales, and town of Berwick-upon-Tweed for and during the term of 14 years according to the statute in such case made and ꝑvided. Teste Rꝛ apd Westm̃, 17o die Decris, anno ꝑd. p bre, &c.

BARLOW. 22nd March 1731.

526. A grant unto ROBERT BARLOW, of Reading, in the county of Berks, millwright, his exors, admrs, and assignes, of the sole use and benefit of his new invencon of a machine for the cleaning of wheat, by which means the wheat is much more thoroughly cleaned, and the flower thereby becomes purer and finer than is possible to make it any other way, and will prove equally advantagious to the buyer and the seller ; to hold and exercise the same within England, Wales, and town of Berwick-upon-Tweed for and during the term of 14 years according to the statute in such case made and pvided. Teste R apd Westm, 22o die Martij, anno pd. p bre, &c.

MORSE. 13th April 1731.

527. A grant unto JUSTINIAN MORSE, of Chipping Barnet, in the county of Hertford, his extors, admrs, and assigns, of the sole use and benefit of his invencon of a new organ, with either the open diapazon or the principal in the front, with one or more setts of keys, the bellows to go either with the feet or the hands ; to hold & exercise the same within England, Wales, and town of Berwick-upon-Tweed for and during the term of 14 years according to the statute in such case made and pvided. Teste R apd Westm, 13o die Aprilis, anno pd. p bre, &c.

BUCKNAL. 30th April 1731.

528. A grant unto WILLIAM BUCKNAL, of the parish of St Mary-le-Bone, in the county of Middx, genr, his exors, admrs, and assignes, of the sole use and benefit of his new invencon of a mathematical machine, in two parts, for the improvement of astronomy and navigacon, which is improved by applying its uses to various new problems in astronomy and navigacon ; to hold and exercise the same within England, Wales, and town of Berwick-upon-Tweed for and during the term of 14 years according to the statute in such case made and pvided ; and a clause is inserted for obliging him, by an instrument in writing under his hand and seal, to be inrolled in the High Court of Chancery within two kalendar months from the date hereof, particularly to describe and ascertain the nature of his said invencon and in what manner the same is performed. Teste R apd Westm, 30mo die Aprilis, anno pd. p bre, &c.

THORNHILL. 20th May 1731.

529. A grant unto ELIAS THORNHILL, of Sunderland by the Sea, in the county of Durham, whitesmith, his exors, admrs, and assigns, of the sole use and benefit of his new invencon of making the rim or edge of coal waggon wheels with iron or steel and with iron ribs or tabs, and iron bolts, rivets, and screws for the fastening the same, which will preserve the said wheels and make them last many years longer than those now used, and thereby prevent the destruccon of many thousands of timber trees in the year, to the great advantage of all persons concerned in the coal trade, and, by preserving the timber trees for ships and other vessels, to the benefit of the nation in general ; to hold and exercise the same within England, Wales, and town of Berwick-upon-Tweed for and during the term of 14 years according to the statute in such case made and pvided. Teste R &c, apud Westm, 20mo die Maij, ann pd. p bre, &c.

POPE. 20th May 1731.

530. A grant unto SAMUEL POPE, citizen and draper, of London, his exors, admrs, and assigns, of the sole use and benefit of his invencon of a new art of marbling paper with a margent entirely new, by taking off the colours from a body of water, prepared after a particular manner; to hold and exercise the same within England, Wales, and town of Berwick-upon-Tweed for and during the term of 14 years according to the statute in such case made and pvided. Teste, &c, ut ult. p bre, &c.

RYLEY. BEAUMONT. 1st June 1731.

531. A grant unto THOMAS RYLEY and JOHN BEAUMONT, of the city of London, brewers, their exors, admrs, and assigns, of the sole use and benefit of their new invencon of a particular compound of wholesome ingredients of

divers and sundry sorts for the feeding of swine, and those fed in that manner will be never subject to the measles, and the said food is of so substantial a nature that it will make pork and bacon more solid and firm than any other pork and bacon fed in the accustomed way; to hold and exercise the same within England, Wales, and town of Berwick-upon-Tweed for and during the term of 14 years according to the statute in such case made and ꝑvided; and a clause is inserted for obliging them to describe and ascertain the nature of their said invenc̃on, by writing under their hands and seals, to be inrolled in the High Court of Chancery within one kalendar month from the date hereof. Teste R̃ apd Westm̃, 1o die Junij, anno ꝑd̃. ꝑ bře, &c.

COPPIN. 8th Oct. 1731.

532. A grant unto ELIZABETH COPPIN, widow, her ex̃ors, admrs, and assigns, of the sole use and benefit of her new invenc̃on of fluxing and fixing mundick into a metal and extracting silver from it; to hold and exercise the same within England, Wales, and town of Berwick-upon-Tweed, and in His Mt̃ie's plantac̃ons for and during the term of 14 years according to the statute in such case made & ꝑvided. Teste R̃ apud Westm̃, octavo die Octobris, anno ꝑd̃. ꝑ bře, &c.

LOVELL. 11th Oct. 1731.

533. A grant unto EDWARD LOVELL, his ex̃ors, admrs, and assigns, of the sole use and benefit of his new invenc̃on of a safe, pleasant, and powerful styptick for the cure of the bloody flux, diarrhœa, vomiting, and all external and internal bleedings or immoderate evacuac̃ons of any kind whatsoever in both sexes; to hold and exercise the same within England, Wales, and town of Berwick-upon-Tweed, and in His Mt̃ie's colonies and plantac̃ons for and during the term of 14 years according to the statute in such case made and ꝑvided. Teste R̃ apd Westm̃, 11o die Octobris, anno ꝑd̃. ꝑ bře, &c.

REYNOLDSON. 18th Oct. 1731.

534. A grant unto GEORGE REYNOLDSON, of the parish of St Helen's, in the city of York, upholsterer, his ex̃tors, adm̃ors, and assigns, of the sole use and benefit of his new invenc̃ons of a machine that gives exactly the way a ship makes and counts her lee way, that tells what speed the winds blow, and proves the different force of current in any depth; and also of a machine that will retard a ship's driving upon a lee shore where there is no anchorage, or being forced back in her voyage by contrary winds; to hold and exercise the same within England, Wales, and town of Berwick-upon-Tweed for and during the term of 14 years according to the statute in such case made and ꝑvided. Teste R̃ apd Westm̃, 18o die Octobris, anno ꝑd̃. ꝑ bře, &c.

ROWNING. 11th Jan. 1732.

535. A grant unto JOHN ROWNING, clerk, master of arts, and fellow of Magdalen Colledge in the University of Cambridge, his execrs, admrs, and assignes, of the sole use and benefit of his new invenc̃on of a clock, which, with only one set of wheels besides the watch part, may be set in the com̃on course of its motion to strike the hours only, or the hours and quarters, or the past hours with each quarter, or to be silent, and also by pulling a spring repeats both hours and quarter; to hold and exercise the same within England, Wales, and town of Berwick-upon-Tweed for and during the term of 14 years according to the statute in such case made and provided. Teste R̃ apd Westm̃, 11o die Janrij, anno ꝑd̃. ꝑ bře, &c.

BENSON. 14th Jan. 1732.

536. A grant unto THOMAS BENSON, engineer, his execrs, admrs, and assigns, of the sole use and benefit of his new invenc̃on of an engine or method for grinding of flint stones for the service of the manufacture of making white wares, such as pots and other vessels, whereby all the hazards and inconveniences attending the workmen employed therein will effectually be prevented, to the great improvement and advantage of the said trade; to hold and

exercise the same w^th^in England, Wales, and town of Berwick-upon-Tweed for and during the term of 14 years, according to the statute in such case made and provided. Teste R̃ ap^d^ Westm̃, 14° die Jan^rii^, anno p̃d.

p bŕe, &c.

ROWE. 21st Aug. 1732.

537. A grant unto ISAAC ROWE, his exec^rs^, adm^rs^, & assignes, of the sole use and benefit of his new invenc̃on of extracting from blackberrys a spirit equally good and wholesome and as well flavoured as French brandy, the use of which will save to His M̃tie's subjects very considerable sumes of money that are annually sent to France and other countries for brandy ; to hold and exercise the same within England, Wales, and town of Berwick-upon-Tweed for and during the term of 14 years according to the statute in such case made and provided. Teste R̃ ap^d^ Westm̃, 21° die Aug^ti^, a° p̃d. p bŕe, &c.

PARKER. 18th Jan. 1733.

538. A grant unto ROBERT PARKER, merchant, his exec^rs^, adm^rs^, and assignes, of the sole use and benefit of his new invenc̃on of an engine or machine, whereby at one view, without opening the bung or giving vent to the wine or any other liquor contained in any cask, may be known the exact increase or decrease thereof, and likewise serve for other uses and purposes ; which invenc̃on the said Robert Parker humbly apprehends will be of great service both to His Maj^ty's^ officers of excise and customs in their guaging of liquors, as well as satisfacc̃on to the merchants, vintners, and others His Maj^ty's^ subjects dealing therein ; to hold and exercise the same within England, Wales, and town of Berwick-upon-Tweed during the term of 14 years according to the statute in such case made and provided. Witness His Maj^ty^ at Westm^r^, the 18^th^ day of Jan^ry^, in the said year. By writ, &c.

CHURCHMAN. 21st March 1733.

539. A grant unto WALTER CHURCHMAN, citizen of Bristol, his ex̃ors, adm^rs^, and assignes, of the sole use and benefit of his new invenc̃on of a machine or engine to be moved or worked by the united powers of weight and draught for raising water for any uses, and for draining of low lands, coal pits, and mines, and for grinding, stamping, and all other works wherein all or any of the mechanical powers are or may be applied ; to hold and exercise the same within England, Wales, and town of Berwick-upon-Tweed for and during the term of 14 years according to the statute in such case made and p̃vided ; and a clause is inserted for obliging him particularly to describe and ascertain the nature of his said invention, by an instrument under his hand and sealed, to be inrolled in the High Court of Chancery within two calendar months from the date hereof. Witness His Maj^ty^ at Westm̃, the 21^st^ day of March, in the said year. By writt, &c.

LUGG. 11th May 1733.

540. A grant unto THOMAS LUGG, of the city of London, gen̈t, his ex̃ors, adm^rs^, and assignes, of the sole use and benefit of his invenc̃on to prevent the inconveniencies by the running away of horses, coaches, chariots, chaises, and other four-wheeled carriages ; to hold and exercise the same within England, Wales, and town of Berwick-upon-Tweed for and during the term of 14 years according to the statute in such case made and p̃vided. Witness His Maj^ty^ at Westm̃, the 11^th^ day of May, in the said year. By writt, &c.

SHAWE. 24th May 1733.

541. A grant unto RALPH SHAWE, of Burslem, in the county of Stafford, earth potter, of the sole use and benefit of his new invenc̃on of a compos̃c̃on of various sorts of minerals, earth, clay, and other earthy substances, which being mixed and incorporated together make up a true body, of which a curious ware may be made, whose outside will be of a true chocolate colour striped with white, and the inside white, much resembling the brown China ware, and glazed with salt ; which said invenc̃on will be a great im-

provement of the English earthen manufacture, and by reason of the great quantities of salt that must be used therein will be an addiĉon to the public revenue; to hold and exercise the same within England, Wales, and town of Berwick-upon-Tweed for and during the term of 14 years according to the statute in such case made and ꝑvided. Witness His Mãty at Westmr, the 24th day of May, in the said year. By writt, &c.

Kay.
26th May 1733.

542. A grant unto John Kay, of Bury, in the county of Lancaster, reed-maker, his exors, admrs, and assigns, of the sole use and benefit of his new invenĉon of an engine or machine for the better opening and dressing of wooll, whereby the same will be easier opened and made much fitter for the carder; and likewise of his new invenĉon of a shuttle for the better and more exact weaving of broad cloths, broad bays, sail cloths, or any other broad cloths, woollen or linnen, whereby the same may be made of any reasonable breadth sooner, with much less toil, more exact and even than heretofore; to hold and exercise the same within England, Wales, and town of Berwick-upon-Tweed for and during the term of 14 years according to the statute in such case made and ꝑvided. Witness His Maty at Westmr, the 26th day of May, in the said year. By writt, &c.

Rowe.
1st Feb. 1734.

543. A grant unto Jacob Rowe, gentl, his exors, admrs, and assignes, of the sole use and benefit of his new invenĉons for taking off or cancelling the friction of the wheel, pully, ballance, and pendulum, &c; whereby, first, all land carriages drawn on wheels will require a far less draught of horses than coñon, and universally all engines will be exercised to their respective purposes with one third less power than usual; and, secondly, it will be practicable by an addiĉonal contrivance to cause the same power to act manifold more swiftly than usual, or with one and the same power to lift a greater weight than usual in the coñon time of performance; to hold and exercise the same within England, Wales, and town of Berwick-upon-Tweed for and during the term of 14 years according to the statute in such case made and provided; and a clause is inserted for obliging him particularly to describe and ascertain the nature of his said invenĉons, by an instrument under his hand and seal, to be inrolled in the High Court of Chancery within two calendar months from the date hereof. Witness His Mãtie at Westmr, the 1st day of February, in the said year. By writt, &c.

Meinzies.
15th Feb. 1734.

544. A grant unto Michael Meinzies, esqr, his execrs, admrs, and assignes, of the sole use and benefit of his new invenĉon for threshing grain with a row of flails fixed in an axis, turned backwards and forwards, and so threshes the grain on both sides; to hold and exercise the same within that part of His Mãtie's kingdom of Great Britain called England, Wales, and town of Berwick-upon-Tweed for and during the term of 14 years according to the statute in such case made and provided. Witness His Mãtie at Westmr, the 15th day of February, in the said year. By writt, &c.

Perrott.
15th Feb. 1734.

545. A grant unto Humphry Perrott, of the city of Bristol, glassmaker, his execrs, admrs, and assignes, of the sole use and benefit of his new invenĉon of a furnace to contain double bottom potts or any others for the better melting, preparing, and preserving all sorts of glass wares; as well as of a furnace with artificial draughts for the better warming and flashing of crown glass, by feeding it with fewell at teasing holes; and also of a new method for the more effectual preserving all sorts of window glass when nealing in the kiln, therein more particularly described; to hold and exercise the same within that part of His Mãtie's kingdom of Great Britain called England, Wales, and town of Berwick-upon-Tweed for and during the term of 14 years according to the statute in such case made and provided. Witness His Mãtie at Westmr, the 15th day of February, in the said year. By writt, &c.

SIMPSON. 15th March 1734.

546. A grant unto SAMUEL SIMPSON, of Leeds, in the county of York, butcher, his execrs, admrs, and assignes, of the sole use and benefit of his new invencon for extracting an oyl or grease from the flesh of swine, which he alledges will be as usefull as any forreign oyl in the woollen manufacture; to hold the same within that part of His Mãtie's kingdom of Great Britain called England, His dñion of Wales, and town of Berwick-upon-Tweed for and during the term of 14 years according to the statute in such case made and provided. Witness His Mãtie at Westmr, the 15th day of March, in the said year. By writt, &c.

PARSONS. 12th Sept. 1734.

547. A grant unto ANTHONY PARSONS, of Sheffield, in His Mãtie's county of York, gentl, his execrs, admrs, & assigns, for the sole use and benefit of his new invented engine for supplying of towns, seats, houses, & gardens with water, and also for raising of water out of mines or pits at the same time or at different times, and separately for drawing up of oar, coal, or other minerals as there may be occasion; to hold and exercise the same within that part of His Mãtie's kingdom of Great Britain called England, His dñion of Wales, and town of Berwick-upon-Tweed for and during the term of 14 years according to the statute in such case made and provided. Witness His Mãtie at Westmr, the 12th day of Septr, in the year above. By writt, &c.

KING. 1st October 1734.

548. A grant unto ROBERT KING, of His Mãtie's city of Peterborough, ironfounder, his execrs, admrs, and assigns, for the sole use and benefit of his new invented engine or machine for the scowering the inside of cast iron boxes for all manner of carriages, to be particularly described by an instrument in writing under his hand and seal, to be inrolled in His Mãtie's High Court of Chancery within two calendar months next after the date of the grant hereby intended; to hold and exercise the same within that part of His Mãtie's kingdom of Great Britain called England, His dñion of Wales, and town of Berwick-upon-Tweed for and during the term of fourteen years according to the statute in such case made and provided. Witness His Mãtie at Westmr, the 1st day of October, in the year above. By writt, &c.

TUITE. 21st Nov. 1734.

549. A grant unto JOHN TUITE, of the parish of St Ann, Westmr, in His Mãtie's county of Middx, goldsmith, his execrs, admrs, & assignes, of the sole benefit and advantage of his new invented engine for making of stone water pipes, to be particularly described by an instrument in writing under his hand and seal, to be inrolled in His Mãtie's High Court of Chancery within two calendar months next after the date of the grant hereby intended; to hold and exercise the same within that part of His Mãtie's kingdom of Great Britain called England, His dñion of Wales, and town of Berwick-upon-Tweed for and during the term of fourteen years according to the statute in such case made and provided. Witness His Mãtie at Westmr, the 21st day of Novr, in the year above.

HADLEY. 22nd Nov. 1734.

550. A grant unto JOHN HADLEY, of East Barnet, in His Mãtie's county Hertford, esqr, his execrs, admrs, and assignes, of the sole lycence and priviledge of making and vending his new invented instrument or quadrant for taking at sea the altitude of the sun, moon, or starrs, as also any other angles, and also his new invented level to be fixed to a quadrant for taking meridional altitudes at sea, therein more particularly described; to hold and exercise the same within that part of His Mãtie's kingdom of Great Britain called England, his dominion of Wales, and town of Berwick-upon-Tweed for and during the term of fourteen years according to the statute in such case made and provided. Witness His Mãtie at Westm, the 22nd day of Novr, in the year above. By writt, &c.

WYLD.
17th March 1735.

551. A grant unto OBADIAH WYLD, of the city of London, gentl, his execrs, admrs, and assignes, of the sole use & benefit of his new invencon of making or preparing of paper, linnen, canvass, and such like substances which will neither flame nor retain fire, and which hath also a property in it of resisting moisture and damps, which he believes will be of very great use for making of cartridges, hangings for rooms, and diverse other purposes, whereby many and great damages happening by fire will be prevented, for the term of fourteen years, within that part of His Mãtie's kingdom of Great Britain called England, his dñion of Wales, & town of Berwick-upon-Tweed; and all such clauses, prohibicons, & provisoes are inserted as are usual in grants of this nature; and also a clause for obliging the said Obadiah Wyld particularly to describe the nature of his sd invencon, by an instrument in writing under his hand & seal, to be inrolled in the High Court of Chancery within two calendar months after the date hereof. Witness His Mãtie at Westmr, the 17th day of March, in the year above. By writt, &c.

COLES.
14th Feb. 1736.

552. A grant unto JOSHUA COLES, of the city of London, colourman, his execrs, admrs, and assignees, of the sole use and benefit of his new invencon of a liquid blue which far exceeds any stone or powder blue heretofore generally used for the blueing of washt linnen, for the term of 14 years, within that part of His Mãtie's kingdom of Great Britain called England, his dñion of Wales, & town of Berwick-upon-Tweed; and all such clauses, prohibicons, and provisoes are inserted as are usual in grants of this nature; and also a clause for obliging the said Joshua Coles to describe particularly the nature of his sd invencon, by an instrument in writing under his hand & seal, to be inrolled in the High Court of Chancery within two calendar months after the date of the grant hereby intended, as has been frequently done in cases of the like nature. Witness His Mãtie at Westmr, the 14th day of February, in the year above. By writt of privy seal.

EYRE.
20th March 1736.

553. A grant unto KINGSMILL EYRE, esqre, his execrs, admrs, & assigns, of the sole benefit and advantage of his new invencon of making raw iron or iron metal prepared from iron stone or ore in air furnaces with pit coal, and by the addiconal fluxes and the new method therein now practised by him, for the term of 14 years, within that part of His Mãtie's kingdom of Great Britain called England, His dñion of Wales, and town of Berwick-upon-Tweed; and all such clauses, prohibicons, and provisoes are inserted as are usual in grants of this nature, and also a clause for obliging the said Kingsmill Eyre to describe particularly the nature of his sd invencon, by an instrument in writing under his hand and seal, to be inrolled in the High Court of Chancery within three kalendar months after the date of the grant hereby intended, as has been frequently done in cases of the like nature. Witness His Mãtie at Westmr, the 20th day of March, in the year above. By writt, &c.

WATTS.
22nd May 1736.

554. A grant unto JOHN WATTS, of the city of London, merchant, his execrs, admrs, and assigns, of the sole benefit and advantage of his invencon of a new form wherein to build the body or lower works of a ship, pink, brigg, sloop, boat, and all other marine vessels, by what name soever called or distinguished, for the term of fourteen years, within that part of His Mãtie's kingdom of Great Britain called England, His dñion of Wales, and town of Berwick-upon-Tweed; and also such clauses, prohibicons, and provisoes are inserted as are usual and necessary in grants of this nature; and also a clause for obliging the said John Watts to describe particularly the nature of his said invencon, under his hand and seal, to be inrolled in the High Court of Chancery within two kalendar months after the date of the grant hereby intended, as has been frequently done in cases of the like nature. Witness His Mãtie at Westmr, the 22nd day of May, in the year above. By writt, &c.

PAYNE.
15th Nov. 1736.

555. A grant unto JOHN PAYNE, of the city of London, merchant, his execrs, admrs, & assignes, of the sole use & benefit of his invenc̃on of a new & more advantageous method of expanding fluids, which being conveyed into a proper ignifyed vessel or vessels contrived for that purpose, are im̃ediately rarifyed into an elastick impelling force sufficient to give moc̃on to hydraulopneumatical & other ingines for raising water and other uses; and also in brewing and distilling by a new form or make of the boyler, still, evaporating vessel or vessels, & other contingencies thereunto belonging; to hold the same within England, Wales, & town of Berwick upon-Tweed for the term of 14 years; and also a clause for obliging him particularly to describe the nature of his invenc̃on, by an instrument under his hand & seal, to be inrolled in His Mãtie's High Court of Chancery within two calendar months from the date of his intended grant, as has been frequently done in like cases. Witness Caroline, Queen of Great Britain, &c, at Westmr, as next above. By writt, &c.

HULLS.
21st Dec. 1736.

556. A grant unto JONATHAN HULLS, his execrs, admrs, & assignes, of the sole use & benefit of his invenc̃on of a machine for carrying ships & vessels out of or into any harbour or river against wind and tide, or in a calm, for the term of 14 years, within that part of His Mãtie's kingdom of Great Britain called England, the dñion of Wales, & town of Berwick-upon-Tweed; and all such clauses, prohibic̃ons, & provisoes are inserted as are usual in grants of like nature; and also a clause for obliging him particularly to describe the nature of his invenc̃on, by an instrument under his hand & seal, to be inrolled in the High Court of Chancery within three calendar months from the date of this intended grant, as has been frequently done in like cases. Witness Caroline, Queen of Great Britain, &c, at Westmr, the 21st day of December, in the year above. By writt, &c.

EMERTON.
13th June 1737.

557. A grant unto ALEXANDER EMERTON, of the parish of St Clement Danes, in the county of Middx, colourman, his execrs, admrs, and assigns, of the sole use and benefit of his new invenc̃on of covering and painting timbers, planks, and boards of ships, yachts, barges, lighters, boats, or vessels whatsoever, and likewise of timber, planks, boards, & plaistering in buildings or other things that may be covered and painted according to his new method; to hold the same within England, Wales, town of Berwick-upon-Tweed, and plantac̃ons in America, for the term of 14 years from the date hereof according to the statute in such case made and provided; and a clause is inserted for obliging him to describe the nature of his sd invenc̃on, by an instrument in writing under his hand and seal, to be inrolled in the High Court of Chancery within three calendar months from the date hereof. Witness His Mãtie at Westmr, the 13th day of June, in the year above. By writt, &c.

STEPHENSON.
17th June 1737.

558. A grant unto DAVID STEPHENSON, mar of arts, of Sheerness, in the county of Kent, his execrs, admrs, & assignes, of the sole use and benefit of his new invenc̃on of a general method for the improvement of machanicks and hydraulicks, by a new method of diminishing friction & of generating and producing moc̃on, force, and power in solid and fluid bodies, and also by collecting the force of fluids already in a state of moc̃on, and of communicating the moc̃on, force, and power thus generated to all kind of machines, and particularly to those for raising water; to hold the same within England, Wales, town of Berwick-upon-Tweed, and plantac̃ons in America, for the term of 14 years from the date hereof according to the statute in such case made and provided; and a clause is inserted for obliging him to describe the nature of his sd invenc̃on, by an instrument in

writing under his hand and seal, to be inrolled in the High Court of Chancery within four calendar months from the date hereof. Witness His Mãtie at Westmr, the 17th day of June, in the year above. By writt, &c.

PEYN. 13th Oct. 1737.

559. A grant unto JAMES PEYN, of the city of London, merchant, his execrs, admrs, & assignes, of the sole use and benefit of his new invencon of a worm pitch for preserving the timber and keeping the seams close of ships and vessels navigating to the coasts of Africa, America, the East Indies, and other hot countries; to hold the same within England, Wales, town of Berwick-upon-Tweed, and His Mãtie's colonies and plantacons in America, for and during the term of fourteen years according to the statute in such case made and provided. Witness His Mãtie at Westmr, the 13th day of October, in the year above. By writt, &c.

VANEF. 15th Dec. 1737.

560. A grant unto JANE VANEF, widow and hoop petticoat maker, her execrs, admrs, & assignes, of the sole use and benefit of her new invencon of a machine or joint hoops so contrived that she can bring an hoop coat of four yards wide into the compass of two yards or less, for ladies to go into coaches or chairs without any manner of trouble or inconvenience; to hold the same within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years from the date hereof according to the statute in such case made and provided; and a clause is inserted for obliging her particularly to describe the nature of her said invencon, by an instrument in writing under her hand & seal, to be inrolled in the High Court of Chancery within two kalendar months from the date hereof. Witness His Mãtie at Westmr, the 15th day of December, in the eleventh year of His Mãtie's reign. By writt, &c.

KAY. 24th June 1738.

561. A grant unto JOHN KAY, of Bury, in the county of Lancaster, engineer, of the sole benefit of his invencon of a new engine or machine which he calls an upright windmill, being to be moved chiefly by the wind, & is proper for raising of water, & applicable to many other purposes where force is required; and of two invencons that remedy the inconveniencies of raising water from a mine or deep pit by buckets (therein particularly described); to hold to him, his execrs, admrs, & assignes for the term of 14 years, within England, Wales, and town of Berwick-upon-Tweed, pursuant to the Act in that behalf. Witness His Mãtie at Westmr, the 24th day of June, in the year above. By writt, &c.

PAUL. 24th June 1738.

562. A grant unto LEWIS PAUL, gentl, of the sole benefit of his invencon of a machine or engine for spinning of wool & cotton in a manner entirely new; to hold to him, his execrs, admrs, & assignes, for the term of 14 years, within England, Wales, & town of Berwick-upon-Tweed pursuant to the statute in that behalf; and a clause is inserted to oblige him fully to describe his said invencon, by an instrumt in writing under his hand & seal, to be inrolled in the High Court of Chancery within two calendar months from the date hereof. Witness His Mãtie, as next above. By writt, &c.

BOMMENAER. 27th June 1738.

563. A grant unto ADRIANUS VANDEN BOMMENAER, of Low Layton, in the county of Essex, manufacturer, of the sole benefit of his new invencon of a machine for twining & twisting of yarn to thread for the making of superfine lace and cambrick; to hold to him, his execrs, admrs, & assignes, for the term of 14 years, within England, Wales, & town of Berwick-upon-Tweed pursuant to the statute in that behalf; and a clause is inserted to oblige him fully to describe his sd invencon, by an instrument in writing, under his hand and seal, to be inrolled in the High Court of Chancery within three kalendar months from the date hereof. Witness His Mãtie at Westmr, the 27th day of June, in the year above. By writt, &c.

CHAMPION. 1st July 1738.

564. A grant unto WILLIAM CHAMPION, of the city of Bristol, of his invenc̃on for the reducing of sulphureous British mineral and minerals into a body of metallic sulphur; to hold to him, his execrs, admrs, and assignes, for the term of 14 years pursuant to the statute in that behalf, within England, Wales, & town of Berwick-upon-Tweed ; and a clause is inserted to oblige him fully to describe his sd invenc̃on, by an instrument in writing under his hand & seal, to be inrolled in the High Court of Chancery within three kalendar months from the date hereof. Witness His Mãtie at Westmr, the 1st day of July, in the year above. By writt, &c.

WILKINSON. 8th July 1738.

565. A grant unto ISAAC WILKINSON, of Coulton, in the county of Lancaster, of the sole use and benefit of his invenc̃on of a new sort of cast metallick boxes for the smoothing of linnen, made either of iron, bell metal, brass, or any other mixed metal; and also of his invenc̃on of a new sort of bellows for forges or furnaces or any other works, made of cast metal, therein particularly described; to hold to him, his execrs, admrs, and assignes, for the term of fourteen years, within England, Wales, town of Berwick-upon-Tweed, and His Mãtie's colonies and plantac̃ons in America, pursuant to the Act of Parliament in that behalf; and a clause is inserted to oblige him to cause a particular description of the nature of his said invenc̃on of a new sort of metallick boxes for smoothing of linnen, by writing under his hand and seal, to be inrolled in the High Court of Chancery within three months after the date hereof. Witness His Mãtie at Westmr, the 8th day of July, in the year above. By writt, &c.

BARSTON. 21st Dec. 1738.

566. A grant unto JOHN BARSTON, of Battersea, in the county of Surry, watchmaker, of his new invenc̃on of an instrument which he calls an universal astronomical quadrant, by which the altitude of the sun may be taken to a minute without any shade therefrom or visible horizon, & also observac̃ons be made in the night from the moon or fixed stars, & the latitude of the place be thereby exactly known ; to hold to him, his execrs, admrs, & assignes, for the term of 14 years according to the statute in that behalf, within England, Wales, & town of Berwick-upon-Tweed ; and a clause is inserted for obliging him particularly to describe the nature of his said invenc̃on, by an instrument under his hand & seal, to be inrolled in the High Court of Chancery within three kalendar months from the date thereof. Witness His Mãtie at Westmr, the 21st day of December, in the year above. By writt, &c.

CHAMPION. 8th June 1739.

567. A grant unto NEHEMIAH CHAMPION, of the city of Bristol, merchant, his execrs, admrs, & assignes, of the sole use and benefit of his new invenc̃on of a machine or model for the more advantageously applying the fall of water on a wheel engine ; to hold and exercise the same within England, Wales, & town of Berwick-upon-Tweed for and during the term of 14 years according to the statute in such case made and provided; and a clause is inserted for obliging him particularly to describe and ascertain the nature of his sd invenc̃on, by an instrument in writing under his hand & seal, to be inrolled in the High Court of Chancery within 3 kalendar months from the date hereof. Witness His Mãtie at Westmr, the 8th day of June, in the year above. By writt, &c.

HARRINGTON. 8th June 1739.

568. A grant unto JOHN HARRINGTON, of St Ann's, in the county of Middx, his execrs, admrs, or assignes, of his new invenc̃on of planting and manufacturing the root or plant com̃only called jalap or machoacan, and also the planting or manufacturing the plant or fruit com̃only called the prickly pear or cocheneal plant; to hold the same within all or any of His Mãtie's colonies in America for and during the term of 14 years according to the statute in such case made and provided. Witness His Mãtie at Westmr, the 8th day of June, in the year above. By writt, &c.

CHAMPION. 10th Sept. 1739.

569. A grant unto JOHN CHAMPION, of the city of Bristol, merchant, his execrs, admrs, & assignes, of his new invencon of making tough & brittle metals from sulphureous minerals, and also how to mix or compound the said metals with other metals ; to hold to him, his execrs, admrs, & assignes, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years according to the statute in such case made and provided ; and a clause is inserted for obliging him particularly to describe the nature of his said invencon, by an instrument in writing under his hand and seal, to be inrolled in the High Court of Chancery within three kalendar months from the date hereof. Witness His Mātie at Westmr, the 10th day of September, in the year above. By writt, &c.

TULL. 13th May 1740.

570. A grant unto JOHN TULL, his execrs, admrs, & assignes, for his invencon of a new sedan chair fixed upon a wheel carriage and springs, to be drawn by horses, and to carry one, two, or more persons one hundred miles a day with much more ease and safety than any carriage now in use; to hold and exercise the same within England, Wales, & town of Berwick-upon-Tweed for and during the term of 14 years according to the statute in such case made and provided ; and a clause is inserted for obliging him, by an instrument in writing under his hand & seal, to be inrolled in the High Court of Chancery within three kalendar months from the date hereof, particularly to describe and ascertain the nature of his said invention. Witness His Mātie at Westmr, the 13th day of May, in the year above.

By writt, &c.

WISE. 7th August 1740.

571. A grant unto JOHN WISE, of Sow, in the county of the city of Coventry, engineer, his execrs, admrs, & assignes, of the sole use and benefit of his new invencon of a machine or modell for the more extensive applicacon of the fire engine; to hold the same within England, Wales, & town of Berwick-upon-Tweed, and His Mātie's colonies & plantacons in America, for & during the term of 14 years according to the statute in such case made & provided; and a clause is inserted to oblige him particularly to describe the nature of his said invencon, by an instrument in writing under his hand & seal, to be inrolled in the High Court of Chancery within three kalendar months from the date hereof. Witnesses, John Archbishop of Canterbury, &c, at Westmr, the 7th day of August, in the year above. By writt, &c.

CRISPE. 9th August 1740.

572. A grant unto WILLIAM CRISPE, esqre, his execrs, admrs, & assignes, of his new invencon of a new double shaft & pole carriage to cross the rutts & to go with two wheels & two horses on a breast, together with proper harnesses for the same, fit to carry either a chaise, coach, chariott, caravan, or chaise marine, or any other conveniency of that nature, and which upon an emergency may be made to go upwards of one hundred miles a day; to hold the same within England, Wales, & town of Berwick-upon-Tweed for and during the term of 14 years according to the statute in such case made and provided; and a clause is inserted to oblige him particularly to describe the nature of his said invencon, by an instrument in writing under his hand and seal, to be inrolled in the High Court of Chancery within three kalendar months from the date hereof. Witnesses, John Archbishop of Canterbury, &c, at Westmr, the 9th day of August, in the year above. By writt, &c.

EUGENE. 13th Nov. 1740.

573. A grant unto JOHN EUGENE, of London, gentl, his execrs, admrs, and assigns, of his new invencon of an engine for raising water, whereby one horse by his present method shall raise as great a quantity of water in the same time and height as twenty horses, and that one man by the same principal of power may be able to raise 60 tunns in an hour by a bucket engine; to hold the same within England, Wales, and town of Berwick-upon-Tweed

for the term of 14 years from the date hereof according to the statute in such case made and provided; and a clause is inserted for obliging him particularly to describe the nature of his said invencon, by an instrument in writing under his hand and seal, to be inrolled in the High Court of Chancery within two kalendar months from the date hereof. Witness His Mãtie at Westmr the 13th day of November, in the year above. By writt, &c.

Ogle. 24th April 1741.

574. A grant unto James Ogle, salt maker, his execrs, admrs, and assignes of the sole use and benefit of his new invencon of making salt from sea water; to hold & exercise the same within England, Wales, & town of Berwick-upon-Tweed for and during the term of 14 years according to the statute in such case made and provided; and a clause is inserted for obliging him particularly to describe the nature of his said invencon, by an instrument in writing under his hand and seal, to be inrolled in the High Court of Chancery within three kalendar months from the date hereof. Witness His Mãtie at Westmr, the 24th day of April, in the year above. By writt, &c.

Bailey. 9th May 1741.

575. A grant unto William Bailey the younger, of Taunton, in the county of Somerset, gentl, his execrs, admrs, & assigns, to use and exercise his new invented engine for the speedy and cheap making all manner of bricks & pan tiles used in building, within the kingdom of Great Britain called England, the dominion of Wales, & town of Berwick-upon-Tweed, and His Mãtie's colonies and plantacons in America; to hold and exercise the same within England, Wales, and town of Berwick-upon-Tweed, and His Mãtie's colonies and plantacons in America, for and during the term of 14 years according to the statute in such case made and provided; and a clause is inserted for obliging him particularly to describe and ascertain the nature of his said invencon, by an instrument in writing under his hand and seal, to be inrolled in the High Court of Chancery within three kalendar months from the date hereof. Witness His Mãtie at Westmr, the 9th day of May, in the year above. By writt, &c.

Taylor. 29th May 1741.

576. A grant unto Joseph Taylor, of Rygate, in the county of Surry, gardiner, his execrs, admrs, & assignes, of the sole use & exercise of his new invencon of a piece of hydraulick mecanism or water machine, whereby water may constantly and plentifully be raised out of the deepest wells and carryed to any height required; to hold and exercise the same within England, Wales, and town of Berwick-upon-Tweed for and during the term of fourteen years according to the statute in such case made and provided; and a clause is inserted for obliging him particularly to describe the nature of his said invencon, by an instrument in writing under his hand and seal, to be inrolled in the High Court of Chancery within three kalendar months from the date hereof. Witnesses, John Archbishop of Canterbury & other guardians & justices of the kingdom, at Westmr, the 29th day of May, in the year above. By writt, &c.

Hadley. 4th June 1741.

577. A grant unto Gilbert Hadley, of the city of Bristol, gunsmith, his execrs, admrs, & assignes, of the sole use & exercise of his new invented piece of ordnance or cannon, which is so contrived as to be charged & discharged eight times in a minute; to hold and exercise the same within England, Wales, & town of Berwick-upon-Tweed, and His Mãtie's colonies and plantacons in America, for and during the term of 14 years according to the statute in such case made & provided; and a clause is inserted for obliging him particularly to describe and ascertain the nature of his said invencon, by an instrument in writing under his hand and seal, to be inrolled in the High Court of Chancery within four kalendar months from the date hereof. Witnesses, John Archbishop of Canterbury and other guardians and justices of the kingdom, at Westmr, the 4th day of June, in the year above.

By writt, &c.

COURAN.
BARFORD.
MOODY.
18th July 1741.

578. A grant unto IGNATIUS COURAN, of the city of London, merchant, JOHN BARFORD, of the borough of Wilton, in the county of Wilts, upholder, and WILLIAM MOODY, of the said borough of Wilton, clothier, of their new invencon of making carpetting, commonly called in London French carpetting or moccadoes, & in France moucades or mouquets; to hold to them, their execrs, admrs, or assigns, for the term of 14 years, within England, Wales, and town of Berwick-upon-Tweed pursuant to the statute in that behalf; and a clause is inserted obliging them, by a writing under their hands and seals, to cause a particular descripcon of the nature of the said invencon to be inrolled in the High Court of Chancery within 3 kalendar months from the date hereof. Witnesses, John Archbishop of Canterbury & other guardians & justices of the kingdom, at Westmr, the 18th day of July, in the year above. By writt, &c.

CREED.
9th Sept. 1741.

579. A grant unto JAMES CREED, of East Greenwich, in the county of Kent, esqre, of his new invencon of three different engines or contrivances for cutting sheet lead into any required breadths for the making of water pipes of any diameter & strength according to the service required, and for covering of churches, houses, & all other buildings with such lead, or with copper or brass, after a manner not hitherto used; and also of a new pump engine or forcer for raising of water, with a perpendicular stroke, which will answer the purpose of a comon pump, or of an engine to raise water to any usual height, or for extinguishing of fires; to hold to him, his execrs, admrs, & assigns, for the term of 14 years, within England, Wales, & town of Berwick-upon-Tweed pursuant to the Act of Parliament in that behalf; and a clause is inserted obliging him particularly to describe the nature of his said invencon, by a writing under his hand & seal, to be inrolled in the High Court of Chancery within four kalendar months from the date hereof. Witnesses, John Archbishop of Canterbury & other guardians & justices of the kingdom, at Westmr, the 9th day of September, in the year above. By writt, &c.

HARRIS.
19th Nov. 1741.

580. A grant unto THOMAS HARRIS, of Chelsey, in the county of Middx, surgeon, of his new invencon of making salt petre or nitre; to hold to him, his execrs, admrs, & assignes, for the term of 14 years, within England, Wales, & town of Berwick-upon-Tweed, and His Mātie's colonies & plantacons in America, pursuant to the statute in that behalf; and a clause is inserted obliging him particularly to describe the nature of his said invencon, by an instrument in writing under his hand and seal, to be inrolled in the High Court of Chancery within four kalendar months from the date hereof. Witness His Mātie at Westmr, the 19th day of November, in the year above. By writt, &c.

PLEUNIUS.
30th Dec. 1741.

581. A grant unto ROGER PLEUNIUS, of the parish of St George Hanover Square, in the liberty of Westmr, harpsichord maker, of his new invencon of meliorating the musical instruments called harpsichords, lyrichords (which are harpsichords strung with cat gut), and spinnets; to hold to him, his execrs, admrs, & assignes, for the term of 14 years, within England, Wales, & town of Berwick-upon-Tweed pursuant to the Act of Parliament in that behalf. Witness His Mātie at Westmr, the 30th day of December, in the year above. By writt, &c.

BASKERVILLE.
16th Jan. 1742.

582. A grant unto JOHN BASKERVILLE, of Birmingham, in the county of Warwick, jappanner, of his new invencon of marking & flat grinding thin metal plates, and fashioning the same by iron rolls & swages either into mouldings (of any size or form) or plates as exactly true & level as the best

joyner can perform in wood; to hold the same to the said John Baskerville, his execrs, admrs, & assigns, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute in that behalf; and a clause is inserted obliging him particularly to describe the nature of his said invencon, by an instrument in writing under his hand & seal, to be inrolled in the High Court of Chancery within four kalendar months from the date hereof. Witness His Mãtie at Westmr, the 16th day of January, in the year above. By writt, &c.

Cogan. 10th April 1742.

583. A grant unto William Cogan, alderman of the town & county of Kingston-upon-Hull, of the sole benefit of his new invencon of the use of a seed of the growth of this kingdom out of which an oyl may be expressed which will be of great benefit to His Mãtie's subjects in general, but more particularly to house painters for all sorts of comon painting work; and of his invencon of a new method of cultivating the vegetable which produces the said seed; to hold to him, his execrs, admrs, & assignes for the term of 14 years, within England, Wales, & town of Berwick-upon-Tweed pursuant to the statute in that behalf; and a clause is inserted obliging him, by a writing under his hand & seal, particularly to describe the nature of his said invencons, to be inrolled in the High Court of Chancery within four kalendar months from the date hereof. Witness His Mãtie at Westmr, the 10th day of April, in the year above. By writt, &c.

Hayward. 13th May 1742.

584. A grant unto Robert Hayward, of the city of Bristol, apothecary, of the sole benefit of his new invencon of a specifick powder which is a speedy & effectual cure for the rheumatism, & a perfect ease and relief if not a certain and effectual cure for the gout; to hold to him, his execrs, admrs, & assignes for the term of 14 years, within England, Wales, and town of Berwick-upon-Tweed pursuant to the statute in that behalf; and a clause is inserted obliging him, by writing under his hand and seal, to cause a particular descripcon of the nature of his said invencon to be inrolled in the High Court of Chancery within four kalendar months from the date hereof. Witness His Mãtie at Westmr, the 13th day of May, in the year above. By writt, &c.

Tuite. 30th July 1742.

585. A grant unto John Tuite, of the city of London, goldsmith, of the sole benefit of his new invencon of a water engine for draining low lands & mines, supplying towns and citys with water, and saving ships from sinking by springing leaks at sea; to hold to him, his execrs, admrs, & assignes, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years according to the statute in such case made and provided; and a clause is inserted to oblige him particularly to describe the nature of his said invencon, by an instrument in writing under his hand and seal, to be inrolled in the High Court of Chancery within three kalendar months from the date hereof. Witness His Mãtie at Westmr, the 30th day of July, in the year above. By writt, &c.

Chappell. 7th August 1742.

586. A grant unto Daniel Chappell, citizen and merchant tailor, of London, of the sole benefit of his new invencon of the art of printing several sorts or species of woollen manufactures of their several kinds, such as goods made of wool, goods made of worsted & silk, mohair & silk, and of plain mohair of their several kinds; to hold to him, his execs, admrs, & assignes for the term of 14 years, within England, Wales, & town of Berwick-upon-Tweed pursuant to the statute in that behalf; and a clause is inserted obliging him particularly to describe the nature of his said invencon, by an instrument in writing under his hand & seal, to be inrolled in the High Court of Chancery within three kalendar months from the date hereof. Witness His Mãtie at Westmr, the 7th day of August, in the year above. By writt, &c.

BETTON.
BETTON.
14th August 1742.

587. A grant unto MICHAEL BETTON, of Wellington, in the county of Salop, genť, & THOMAS BETTON, of Shrewsbury, in the s^d^ county, genť, of the sole benefit of their new invenc̃on of an oyl extracted from a flinty rock for the cure of rheumatick & scorbutick & other cases; to hold to them, their exec^rs^, adm^rs^, & assignes for the term of 14 years, within England, Wales, & town of Berwick-upon-Tweed pursuant to the statute in that behalf; and a clause is inserted obliging them or one of them, by a writing under their or one of their hands & seals or hand & seal, to cause a particular descripc̃on of the nature of their s^d^ invenc̃on to be inrolled in the High Court of Chancery within three kalendar months from the date hereof. Witness His Mãtie at Westm^r^, the 14^th^ day of August, in the year above. By writt, &^c^.

LINDSAY.
17th Feb. 1743.

588. A grant unto GEORGE LINDSAY, of the parish of S^t^ Martin-in-the-Fields, in the county of Middx, of the sole benefit of his new invenc̃on of a general portable microscope, of a structure entirely new and different from any now in use or that have yet been made; to hold to him, his exec^rs^, adm^rs^, & assigns, for the term of 14 years, within England, Wales, & town of Berwick-upon-Tweed pursuant to the statute in that behalf; and a clause is inserted obliging him, by a writing under his hand and seal, to cause a particular descripc̃on of his said invenc̃on to be inrolled in the High Court of Chancery within four kalendar months from the date hereof. Witness His Mãtie at Westm^r^, the 17^th^ day of Febr̃y, in the year above. By writt, &^c^.

PLATT.
KEEN.
10th March 1743.

589. A grant unto MOSES PLATT, of the city of Coventry, carver, and WILLIAM KEEN, of the same city, carpenter, of the sole benefit of their new invenc̃on of a machine for printing or painting history, landskips, fruits, flowers, & other descripc̃ons, according to the various drawings or designs which may be required to be imitated, upon silks, cottons, linnens, stuffs, woollen cloths, & other manufactures, for wearing apparel, furniture, or otherwise; to hold to them, their exec^s^, adm^s^, & assignes for the term of 14 years, within England, Wales, & town of Berwick-upon-Tweed pursuant to the statute in that behalf; and a clause is inserted obliging them, by a writing under their hands & seals or the hand & seal of one of them, to cause a particular descripc̃on of their said invention to be inrolled in the High Court of Chancery within four kalendar months from the date hereof. Witness His Mãtie at Westm^r^, the 10^th^ day of March, in the year above. By writt, &^c^.

NEWTON.
4th April 1743.

590. A grant unto AMBROSE NEWTON, of Kettleness, in the county of York, genť, of his new invenc̃on of making allom out of dross or dreggs (com̃only settler slam & slam pan slam) of the liquor out of which other allom is made; to hold to him, his exec^rs^, adm^rs^, and assignes for the term of 14 years, within England, Wales, and town of Berwick-upon-Tweed pursuant to the statute in that behalf; and a clause is inserted obliging him, by a writing under his hand & seal, to cause a particular descripc̃on of his s^d^ invenc̃on to be inrolled in the High Court of Chancery within three kalendar months from the date hereof. Witness His Mãtie at Westm^r^, the 4^th^ day of April, in the year above. By writt, &^c^.

BROOKS.
7th July 1743.

591. A grant unto RICHARD BROOKS, of the Devizes, in the county of Wilts, clothier, of the sole benefit of his new invented machine for the manufacturing wool yarn & woollen cloths in several branches; to hold to him, his exec^rs^, adm^rs^, & assignes within England, Wales, and town of Berwick-upon-Tweed for the term of fourteen years according to the statute in that behalf; and a clause is inserted for obliging him, by writing under his hand & seal, to cause a particular descripc̃on of the nature of his said invenc̃ons to be inrolled in the High Court of Chancery within four kalendar months from the date hereof. Witnesses, John Archbishop of Canterbury, &^c^, at Westm^r^, the 7^th^ day of July, in the year above. By writt, &^c^.

HOOPER. 21st July 1743.

592. A grant unto JOHN HOOPER, of Reading, in the county of Berks, apothecary & man midwife, of the sole use of his new invented medicine comonly called by the name of the female pills; to hold to him, his execrs, admrs, & assignes, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years according to the statute in that behalf; and a clause is inserted for obliging him, by a writing under his hand and seal, to cause a particular descripcon of his said invencon to be inrolled in the High Court of Chancery within four kalendar months from the date hereof. Witnesses, John Archbishop of Canterbury, &c, at Westmr, the 21st day of July, in the year above. By writt, &c.

HAMILTON. 14th Sept. 1743.

593. A grant unto JAMES HAMILTON, of the parish of St James, within the liberty of Westmr, genr, of the sole use of his new invencon of an engine for taking of fish; to hold to him, his execrs, admrs, and assignes, within England, Wales, & town of Berwick-upon-Tweed, and His Mātie's colonies and plantacons in America, for the term of 14 years according to the statute in that behalf; and a clause is inserted obliging him, by a writing under his hand & seal, to cause a particular descripcon of the said invencon to be inrolled in the High Court of Chancery within four calendar months from the date hereof. Witnesses, John Archbishop of Canterbury, &c, at Westm, the day and year next above. By writt, &c.

SOUTHGATE. 17th Nov. 1743.

594. A grant unto JOHN SOUTHGATE, of Allerton, otherwise Alwalton, in the county of Huntingdon, genr, of his new invencon of bringing malt liquor to much greater perfeccon than it has hitherto been, by inventing floors of brass, copper, & lead for the curing & preparing such malt; to hold to him, his execrs, admrs, & assignes, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years according to the statute in that behalf; and a clause is inserted by obliging him, by writing under his hand & seal, to cause a particular descripcon of the said invencon to be inrolled in the High Court of Chancery within four calendar months from the date hereof. Witness His Matie at Westmr, the 17th day of November, in the year above. By writt, &c.

GREGORY. 5th Jan. 1744.

595. A grant unto JOHN GREGORY the elder, of the parish of St Gyles-in-the-Fields, in the county of Middx, timber merchant, of his new invented engine for draining of fens and cleansing of rivers and wharfs that are choaked with sand or gravel; to hold to him, his execrs, admrs, and assignes for the term of 14 years, within England, Wales, & town of Berwick-upon-Tweed pursuant to the statute in that behalf; and a clause is inserted obliging him particularly to describe and ascertain the nature of his said invencon, by a writing under his hand and seal, to be inrolled in the High Court of Chancery within four calendar months from the date hereof. Witness His Mātie at Westmr, the 5th day of January, in the year above. By writt, &c.

TURLINGTON. 18th Jan. 1744.

596. A grant unto ROBERT TURLINGTON, of London, merchant, of his new invented specifick balsam, called the balsam of life; to hold to him, his execrs, admrs, & assignes for the term of 14 years, within England, Wales, & town of Berwick-upon-Tweed pursuant to the statute in that behalf; and a clause is inserted obliging him particularly to describe & ascertain the nature of his said invencon, by a writing under his hand & seal, to be inrolled in the High Court of Chancery within four kalendar months from the date hereof. Witness His Mātie at Westmr, the 18th of January, in the year above. By writt, &c.

TANNER. 19th Jan. 1744.

597. A grant unto FRANCIS TANNER, of the parish of S[t] George's Bloomsbury, in the county of Midd̃x, gent̃, of his new invented specifick pill for curing the gout & rheumatism ; to hold to him, his exec[rs], adm[rs], & assignes for the term of 14 years, within England, Wales, & town of Berwick-upon-Tweed pursuant to the statute in that behalf ; and a clause is inserted obliging him particularly to describe and ascertain the nature of his said invenc̃on, by a writing under his hand & seal, to be inrolled in the High Court of Chancery within four kalendar months from the date hereof. Witness His Mãtie at Westm[r], the 19[th] day of January, in the year above. By writt, &[c].

PANTIN. 21st Jan. 1744.

598. A grant unto LEWIS PANTIN, of the parish of S[t] Ann, within the liberty of the city of Westm[r], in the county of Midd̃x, goldsmith, of his new invented engine for raising & taking up ballast from the bottom of rivers & other purposes therein menc̃oned; to hold to him, his exec[rs], adm[rs], & assignes for the term of 14 years, within England, Wales, and town of Berwick-upon-Tweed pursuant to the statute in that behalf; and á clause is inserted obliging him particularly to describe and ascertain the nature of his said invenc̃on, by an instrument in writing under his hand & seal, to be inrolled in the High Court of Chancery within four kalendar months from the date hereof. Witness His Mãtie at Westm[r], the 21[st] day of January, in the year above. By writt, &[c].

GREENOUGH. 9th Feb. 1744.

599. A grant unto THOMAS GREENOUGH, of the parish of S[t] Sepulchre, in the city of London, apothecary, of his new invenc̃on of a tincture for cleansing & preserving the teeth, and curing the tooth ack; to hold to him, his exec[rs], adm[rs], & assignes, within England, Wales, & town of Berwick-upon-Tweed pursuant to the statute in that behalf; and a clause is inserted obliging him particularly to describe the nature of his said invenc̃on, by an instrument in writing under his hand & seal, to be inrolled in the High Court of Chancery within three calendar months from the date hereof. Witness His Mãtie at Westm[r], the 9[th] day of February, in the year above. By writt, &[c].

COLLETT. 17th Feb. 1744.

600. A grant unto JOSEPH COLLETT, of the parish of Saint Clements Danes, in the county of Midd̃x, dealer in medicine, of his new invenc̃on of an elixir which is an effectual cure for the dropsy and jaundice, and affords immediate relief, if not an effectual cure, for the stone & gravel; to hold to him, his exc[rs], adm[rs], & assigns, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute in that behalf; and a clause is inserted obliging him particularly to describe the nature of his said invenc̃on, by an instrument in writing under his hand & seal, to be inrolled in the High Court of Chancery within four kalendar months from the date hereof. Witness His Mãtie at Westm[r], the 17[th] day of Feb[ry], in the year above. By writt, &[c].

HENRY. 17th Feb. 1744.

601. A grant unto PETER HENRY, of the parish of S[t] Andrew Holborn, in the county of Midd̃x, doctor of physick, of his new invenc̃on of a chimical preparation called the nervous medicine, for the cure of all nervous cases, as convulsive fits, epilepseys, vertigoes, hypocondriac, melancholy, histeric vapours, lowness of spirits, & palpitac̃ons of the heart; to hold to him, his exec[rs], adm[rs], & assignes, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute in that behalf; and a clause is inserted obliging him particularly to describe the nature of his said invenc̃on, by an instrument in writing under his hand & seal, to be inrolled in the High Court of Chancery within four kalendar months from the date hereof. Witness His Mãtie at Westm[r], the 17[th] day of Febry, in the year above. By writt, &[c].

SUTTON. 16th March 1744.

602. A grant unto SAMUEL SUTTON, of the city of London, brewer, of his new invencon for extracting foul air out of ships, & other purposes therein menconed; to hold to him, his execrs, admrs, & assignes, for the term of fourteen years pursuant to the statute in that behalf within England, Wales, & town of Berwick-upon-Tweed, and His Mātie's colonys and plantacons in America; and a clause is inserted obliging him particularly to describe the nature of his said invencon, by an instrument in writing under his hand & seal, to be inrolled in the High Court of Chancery within four kalendar months from the date hereof. Witness His Mātie at Westmr, the 16th day of March, in the year above. By writt, &c.

CERRETI. 9th May 1744.

603. A grant unto NICHOLAS CERRETI, of the parish of St. Martin-within-Ludgate, in the city of London, dealer in medicines, of the sole benefit of his new invented Greek water, which is an easy & safe cure & preservative for any venereal distemper; to hold to him, his execrs, admrs, & assignes, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years, according to the statute in that behalf; and a clause is inserted obliging him particularly to describe and ascertain the nature of his said invencon, by an instrument in writing under his hand and seal, to be inrolled in the High Court of Chancery within four kalendar months from the date hereof. Witness His Mātie at Westmr, the 9th day of May, in the year above. By writt, &c.

NEVILLE. 22nd June 1744.

604. A grant unto CHARLES NEVILLE, of Little Gunnerbye, in the parish of Grantham, in the county of Lincoln, esqre, of his new invencon of a lime, stucoe, plaster, morter, cement, & manure, from cockle, oyster, & other sea shells; to hold to him, his execrs, admrs, & assignes, for the term of 14 years, within England, Wales, & town of Berwick-upon-Tweed pursuant to the statute in that behalf; and a clause is inserted obliging him particularly to describe and ascertain the nature of his said invencon, by an instrument in writing under his hand & seal, to be inrolled in the High Court of Chancery within two kalendar months from the date hereof. Witness His Mātie at Westmr, the 22nd day of June, in the year above. By writt, &c.

NEALE. 12th July 1744.

605. A grant unto JOHN NEALE, of Leaden Hall Street, in the city of London, watch maker, of the sole benefit of his new invented quadrantal planetarian machine by which the altitude of any of the planets or fixt starrs may be taken, as also all the uses of the orrery answered; to hold to him, his execrs, admrs, & assignes, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute in that behalf; and a clause is inserted obliging him particularly to describe and ascertain the nature of his said invencon, by an instrument in writing under his hand & seal, to be inrolled in the High Court of Chancery within four kalendar months from the date hereof. Witness His Mātie at Westmr, the 12th day of July, in the year above. By writt, &c.

REID. 13th July 1744.

606. A grant unto ANDREW REID, esqre, merchant, in London, of the sole benefit of his new invencon of making of bay salt in this kingdom by the heat of the sun; to hold to him, his execrs, admrs, & assignes, within England, Wales, & town of Berwick-upon-Tweed, and His Mātie's colonies and plantacons in America, for the term of 14 years pursuant to the statute in that behalf; and a clause is inserted obliging him particularly to describe and ascertain the nature of his said invencon, by an instrument in writing under his hand and seal, to be inrolled in the High Court of Chancery within four kalendar months from the date hereof. Witness His Mātie at Westmr, the 13th day of July, in the year above. By writt, &c.

RADLEY.
19th July 1744.

607. A grant unto WILLIAM RADLEY, salt maker, of his new invented method by furnaces to make salt; to hold to him, his execrs, admrs, & assignes, within England, Wales, and town of Berwick-upon-Tweed, for the term of 14 years pursuant to the statute in that behalf; and a clause is inserted obliging him particularly to describe and ascertain the nature of his said invencon, by an instrument in writing under his hand & seal, to be inrolled in the High Court of Chancery within two kalendar months from the date hereof. Witness His Mãtie at Westmr, the 19th day of July, in the year above. By writt, &c.

BELLI.
GUALTERAI.
6th Sept. 1744.

608. A grant unto NICHOLAS BELLI and ANTHONY GUALTERAI, of the city of London, merchants, of the sole use & benefit of their new invencon of a vegetable extraordinarily productive of oyl of a sweet taste, fine colour, wholesome, and of great use, but more especially in the manufacturing of wool, which may be cultivated here; to hold to them, their execrs, admrs, & assignes, within England, Wales, and town of Berwick-upon-Tweed, and His Mãtie's colonies and plantacons in America, for the term of 14 years pursuant to the statute in that behalf; and a clause is inserted obliging them particularly to describe and ascertain the nature of their said invencon, by an instrument in writing under their hands & seals, to be inrolled in the High Court of Chancery within four kalendar months from the date hereof. Witness His Mãtie at Westmr, the 6th day of Septr, in the year above. By writt, &c.

PERKINS.
6th Sept. 1744.

609. A grant unto WILLIAM PERKINS, citizen & fletcher, of London, of the sole use & benefit of his new invented machine for grinding of corn and drawing up of great weights, as coals, &c, out of pits, & mines, & for draining fen lands, & other purposes therein menconed; to hold to him, his execrs, admrs, & assignes within England, Wales, & town of Berwick-upon-Tweed, and His Mãtie's colonies and plantacons in America, for the term of 14 years pursuant to the statute in that behalf; and a clause is inserted obliging him particularly to describe and ascertain the nature of his said invencon, by an instrument in writing under his hand & seal, to be inrolled in the High Court of Chancery within four calendar months from the date hereof. Witness His Mãtie at Westmr, the 6th day of Septr, in the year above. By writt, &c.

HEYLIN.
FRYE.
6th Dec. 1744.

610. A grant unto EDWARD HEYLIN, of the parish of Bow, in the county of Middx, merchant, & THOMAS FRYE, of West Ham, in the said county, painter, of their new invencon of a method of manufacturing a certain material whereby a ware may be made of the same nature, and equal to, if not exceeding in goodness and beauty, china or porcelain ware imported from abroad; to hold to them, their execrs, admrs, and assignes, within England, Wales, & town of Berwick-upon-Tweed, for the term of 14 years pursuant to the statute in that behalf; and a clause is inserted obliging them to cause a particular descripcon of their said invencon, by a writing under their hands and seals or the hand and seal of one of them, to be inrolled in the High Court of Chancery within 4 kalendar months from the date hereof. Witness His Mãtie at Westmr, the 6th day of December, in the year above. By writt, &c.

GARRETT.
15th Dec. 1744.

611. A grant unto GEORGE GARRETT, of the parish of Christ Church, Spitalfields, in the county of Middx, weaver, of his new invencon or method of making goods of the same kind, and equal in goodness & beauty to the goods comonly called lutherines, rufferines, princes stuffs, or prunellas, by mixing a certain material of the growth of these kingdoms, manufactured here, with silk instead of mohair yarn which come almost fully manufactured

from Turky ; to hold to him, his execrs, admrs, & assignes, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute in that behalf ; and a clause is inserted obliging him to cause a particular descripc̃on of his said invenc̃on, by a writing under his hand & seal, to be inrolled in the High Court of Chancery within four kalendar months from the date hereof. Witness His Mãtie at Westmr, the 15th day of December, in the year above. By writt, &c.

Kay. Stell. 18th April 1745.

612. A grant unto John Kay, of Bury, in the county palatine of Lancaster, & Joseph Stell, of Keighley, in the county of York, gentl, of their new invented method for the working & weaving tapes & other goods in narrow breadths, and also their new invented kiln for drying of malt, as likewise their new invented method for the saving of fewell in the making of com̃on salt, therein more particularly described ; to hold to them, their execrs, admrs, & assignes, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute in that behalf ; and a clause is inserted obliging them particularly to describe the nature of their said invenc̃ons, by an instrument in writing under their hands & seals or the hand & seal of one of them, to be inrolled in the High Court of Chancery within four kalendar months from the date hereof. Witness His Mãtie at Westmr, the 18th day of April, in the year above. By writt, &c.

Plenius. 10th July 1745.

613. A grant unto Roger Plenius, of St George Hanover Square, in the liberty of Westminster, harpsicord maker, of the sole use and exercise of his new invenc̃on for the great improvement of musical instruments called harpsicords & spinnets, therein more particularly described ; to hold to him, his execrs, admrs, & assignes, within England, Wales, & town of Berwick-upon-Tweed, for the term of 14 years pursuant to the statute in that behalf. Witnesses, John Archbishop of Canterbury, &c, the 10th day of July, in the year above. By writt, &c.

Fairles. 17th Sept. 1745.

614. A grant unto Edward Fairles, of South Shields, in the bishoprick of Durham, merchant, of the sole use & benefit of his new invenc̃ons of a method to make salt of sea water, better, quicker, & at a much less expence than by any other method hitherto discovered, by means of new invented furnaces and new invented preparative pans or boilers ; to hold to him, his execrs, admrs, & assignes, within England, Wales, and town of Berwick-upon-Tweed, for the term of 14 years pursuant to the statute in that behalf ; and a clause is inserted obliging him particularly to describe the nature of his said invenc̃ons, by an instrument in writing under his hand & seal, to be inrolled in the High Court of Chancery within four calendar months from the date hereof. Witness His Mãtie at Westmr, the 17th day of Septr, in the year above. By writt, &c.

Lee. 9th Dec. 1745.

615. A grant unto Edmund Lee, of Brockmill near Wigan, in the county palatine of Lancaster, smith, of his new invented machine, which he calls a self-regulating wind machine, therein more particularly described ; to hold to him, his execrs, admrs, & assignes, within England, Wales, and town of Berwick-upon-Tweed, and His Mãtie's colonies and plantac̃ons in America, for the term of 14 years pursuant to the statute in that behalf ; and a clause is inserted obliging him particularly to describe the nature of his said invenc̃on, by an instrument in writing under his hand & seal, & cause the same to be inrolled in the High Court of Chancery within four kalendar months from the date hereof. Witness His Mãtie at Westmr, the 9th day of December, in the year above. By writt, &c

LINDEN. 1st April 1746.

616. A grant unto DEDERICK WESSEL LINDEN, of Southampton Street, Covent Garden, in the county of Middx, doctor of physick, of his new invented art or mystery of making salt petre out of ingredients wholly the growth and produce of England; to hold to him, his execrs, admrs, & assignes, for the term of 14 years within England, Wales, and town of Berwick-upon-Tweed pursuant to the statute in that behalf; and a clause is inserted obliging him to describe and ascertain the nature of his invencon, by an instrument in writing under his hand & seal, to be inrolled in the High Court of Chancery within 3 kalendar months from the date hereof. Witness His Mātie at Westmr, the 1st day of April, in the year above. By writt, &c.

NEELER. 3rd April 1746.

617. A grant unto EDMUND NEELER, of the parish of Hammersmith, in the county of Middx, gentl, of his new invented medicinal belt; to hold to him, his execrs, admrs, & assignes for the term of 14 years, within England, Wales, and town of Berwick-upon-Tweed, and His Mātie's colonies and plantacons in America, pursuant to the statute in that behalf, and the same clause is inserted as next above. Witness His Mātie at Westmr, the 3rd day of April, in the year above. By writt, &c.

HAWKES. 26th July 1746.

618. A grant unto THOMAS HAWKES, of Wells, in the county of Norfolk, of his new invencon whereby riding in a chaise, chair, or such like vehicle is rendred much more safe & easy to our subjects than by any other way yet made use of; to hold to him, his execrs, admrs, & assignes, for the term of 14 years, within England, Wales, & town of Berwick-upon-Tweed, pursuant to the statute in that behalf; and a clause is inserted obliging him particularly to describe the nature of his said invencon, by an instrument in writing under his hand & seal, to be inrolled in the High Court of Chancery within four kalendar months from the date hereof. Witness His Mātie at Westmr, the 26th day of July, in the year above. By writt, &c.

HASKINS. 7th August 1746.

619. A grant unto HENRY HASKINS, of Northfleet, in the county of Kent, chymist, of the sole benefit of his new invencon of a method of extracting a spirit or oyl out of tar, which same process will produce the finest pitch; to hold to him, his execrs, admrs, and assignes, within England, Wales, & town of Berwick-upon-Tweed, and His Mātie's colonies & plantacons in America, for the term of 14 years pursuant to the statute in that behalf; and a clause is inserted obliging him particularly to describe the nature of his said invencon, by an instrument in writing under his hand and seal, to be inrolled in the High Court of Chancery within four kalendar months from the date hereof. Witness His Mātie at Westmr, the 7th day of August, in the year above. By writt, &c.

ROWE. 21st March 1747.

620. A grant unto ISAAC ROWE, of the parish of St Margaret, Westminster, silversmith, of his new invented machine, with pumps not requiring either box or sucker, for drawing up water from great depths, & other purposes therein menconed; to hold to him, his execrs, admrs, & assignes, for the term of 14 years, within England, Wales, & town of Berwick-upon-Tweed, and all His Mātie's colonies & plantacons abroad, pursuant to the statute in that behalf; and a clause is inserted obliging him particularly to describe the nature of his said invencon, by an instrument in writing under his hand & seal, & cause the same to be inrolled in His Mātie's High Court of Chancery within four kalendar months from the date hereof. Witness His Mātie at Westmr, the 21st day of March, in the year above. By writt, &c.

MUNDEE. 29th April 1747.

621. A grant unto WILLIAM MUNDEE, of the parish of St George the Martyr, in the borough of Southwark, in the county of Surrey, distiller, of

his new invenc̃on of cleansing and improving Brittish spirits to a much greater perfecc̃on than has hitherto been, and now makes brandy as good as the best brandys imported from France; to hold to him, his execrs, admrs, & assignes, for the term of 14 years within England, Wales, & town of Berwick-upon-Tweed, and His Matie's colonies & plantac̃ons in America pursuant to the statute in that behalf; and a clause is inserted obliging him particularly to describe the nature of his sd invenc̃on, by an instrument in writing under his hand & seal, and cause the same to be inrolled in the High Court of Chancery within four kalendar months from the date hereof. Witness His Mãtie at Westmr, the day and year next above. By writt, &c.

SAGE. 12th May 1747.

622. A grant unto SAMUEL SAGE, late of Bristol, but now of the parish of St Saviour, Southwark, in the county of Surry, carpenter, of his new invented engine or machine for the cutting of tobacco, therein more particularly described; to hold to him, his execrs, admrs, & assignes, for the term of 14 years within England, Wales, & town of Berwick-upon-Tweed pursuant to the statute in that behalf; and a clause is inserted obliging him particularly to describe the nature of his sd invenc̃on, by an instrument in writing under his hand & seal, and cause the same to be inrolled in His Mãtie's High Court of Chancery within four kalendar months from the date hereof. Witness His Mãtie at Westmr, the 12th day of May, in the year above.

By writt, &c.

LUCAS. 27th July 1747.

623. A grant unto SAMUEL LUCAS, salt proprietor, at Droitwich, in the county of Worcester, of his new invenc̃on for erecting of salt pans for the boiling of salt, which he apprehends will far excell any other before made use of; to hold to him, his execrs, admrs, & assignes, for the term of 14 years within England, Wales, & town of Berwick-upon-Tweed pursuant to the statute in that behalf; and a clause is inserted obliging him particularly to describe the nature of his sd invenc̃on, by an instrument in writing under his hand & seal, to be inrolled in the High Court of Chancery within 4 kalendar months from the date hereof. Witness His Mãtie at Westmr, the 27th day of July, in the year above. By writt, &c.

HARRIS. 3rd Nov. 1747.

624. A grant unto THOMAS HARRIS, of Fleet Street, London, watchmaker, of the sole use & benefit of his new invented engine or machine for raising water, therein more particularly described; to hold to him, his execrs, admrs, & assignes, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute in that behalf; and a clause is inserted obliging him particularly to describe the nature of his said invenc̃on, by an instrument in writing under his hand & seal, to be inrolled in the High Court of Chancery within 4 kalendar months from the date hereof. Witness His Mãtie at Westmr, the 3rd day of November, in the year above.

By writt, &c.

JOHANNOT. 3rd Nov. 1747.

625. A grant unto JOSIAS JOHANNOT, late citizen & stationer, of London, but now of St Paul's Cray, in the county of Kent, paper-maker, of the sole use & benefit of his new invented method of making cartridge paper from the mill so as not to hold any fire; to hold to him, his execrs, admrs, & assignes, within England, Wales, & town of Berwick-upon-Tweed, and His Mãtie's colonies and plantations in America, for the term of 14 years pursuant to the statute in that behalf; with like clause as above. Witness His Mãtie at Westmr, as next above. By writt, &c.

JAMES. 13th Nov. 1747.

626. A grant unto ROBERT JAMES, of the parish of St. James, Westmr, doctor in physick, of his new invented powder and pill for curing acute fevers and other distempers therein menc̃oned; to hold to him, his execrs, admrs, &

assignes, within England, Wales, and town of Berwick-upon-Tweed, and His Mãtie's colonies and plantaĉons in America, for the term of 14 years pursuant to the statute in that behalf, with a clause to inroll within three kalendar months from the date hereof. Witness His Mãtie at Westmr, the 13th day of November, in the year above. By writt, &c.

JACKSON. 9th Dec. 1747.

627. A grant unto THOMAS JACKSON, of Wellington, in the county of Salop, yeoman, of his new invented tincture for curing all burns, scalds, green wounds, old bruises, strains, sprains, rheumatick & many other maladies therein mentioned ; to hold to him, his execrs, admrs, & assignes, within England, Wales, & town of Berwick-upon-Tweed, for the term of 14 years, pursuant to the statute in that behalf, with a clause to inroll within 2 kalendar months. Witness His Mãtie at Westmr, the 9th day of Decr, in the year above. By writt, &c.

BOURN. 20th January 1748.

628. A grant unto DANIEL BOURN, of the borough of Leomynster, in the county of Hereford, dealer in wool & cotton, of his new invented machine for carding of wool & cotton either by hand or water ; to hold to him, his execrs, admrs, & assignes, within England, Wales, & town of Berwick-upon-Tweed, for the term of 14 years pursuant to the statute in that behalf, with a clause to inroll within four kalendar months from the date hereof. Witness His Mãtie at Westmr, the 20th day of January, in the year above. By writt, &c.

PICKERING. 16th March 1748.

629. A grant unto ROGER PICKERING, of Muswell otherwise Mousewell Hill, in the parish of St James, Clerkenwell, in the county of Middx, minister of the Word of God and one of the Fellows of the Royal Society, of his new invented method of producing from British materials a spirit equal to French brandy, or at least more nearly so than has hitherto been discovered ; to hold to him, his execrs, admrs, & assignes, within England, Wales, and town of Berwick-upon-Tweed, and His Mãtie's colonies and plantaĉons in America, for the term of fourteen years pursuant to the statute in that behalf; with a clause to inroll within four kalendar months from the date hereof. Witness His Mãtie at Westmr, the 16th day of March, in the year above. By writt, &c.

PAUL. 19th March 1748.

630. A grant unto ONESIPHORUS PAUL, of Woodchester, in the county of Glouc^{r}, clothier, of his new invented method of preparing cloths intended to be dyed scarlett, so as more effectually to ground the colours and preserve their beauty, & other purposes therein mentioned ; to hold to him, his execrs, admrs, and assignes, within England, Wales, & town of Berwick-upon-Tweed, for the term of 14 years pursuant to the statute in that behalf; with the like clause as next above. Witness His Mãtie at Westmr, the 19th day of March, in the year above. By writt, &c.

BRIDGES. 16th April 1748.

631. A grant unto DANIEL BRIDGES, of the town & county of Kingston-upon-Hull, apothecary, of the sole use and exercise of his new invented method to refine, purify, & meliorate an oil extracted from rape seed, coñonly called rape oil; to hold to him, his execrs, admrs, & assignes, within England, Wales, & town of Berwick-upon-Tweed, for the term of 14 years pursuant to the statute in that behalf, with a clause to inroll within 4 kalendar months from the date hereof. Witness His Mãtie at Westmr, the 16th day of April, in the year above. By writt, &c.

WHEELER. 27th June 1748.

632. A grant unto JOSHUA WHEELER, mercer, of the city of Worcester, of his new invented method to prepare woollen cloth & hatts so as to keep out more than a day's or week's rain, without impairing either the beauty or

strength of the cloth or hatts ; to hold to him, his execrs, admrs, or assignes, within England, Wales, & town of Berwick-upon-Tweed, for the term of 14 years pursuant to the statute in that behalf, with a clause to inroll within 4 calendar months from the date hereof. Witnesses, Thomas Archbishop of Canterbury, &c, at Westmr, the 27th day of June, in the year above. By writt, &c.

Baker. 12th July 1748.

633. A grant unto Walter Baker, chymist, of his new menstrum & neat medicine which he hath stiled Schwanberg's liquid shell ; to hold to him, his execrs, admrs, & assignes, within England, Wales, and town of Berwick-upon-Tweed, for the term of 14 years pursuant to the statute in that behalf, with a clause to inroll within 4 kalendar months from the date hereof. Witnesses, Thomas Archbishop of Canterbury, &c, at Westmr, the 12th day of July, in the year above. By writt, &c.

Hadley. Stephens. 12th July 1748.

634. A grant unto Moses Hadley, of the parish of St Martin-in-the-Fields, in the county of Midd̃x, engineer, & Thomas Stephens, of the parish of St James, in the liberty of Westmr, in the said county of Midd̃x, ironmonger, of their new invented double concave boyler with a flanch for raising steam by fire, to work atmosphere engines for raising water & other purposes ; to hold to them, their execrs, admrs, & assignes, within England, Wales, & town of Berwick-upon-Tweed, for the term of 14 years pursuant to the statute in that behalf, with a clause to inroll within four kalendar months from the date hereof. Witnesses, Thomas Archbishop of Canterbury, &c, at Westmr, the 12th day of July, in the year above. By writt, &c.

Spence. Dolby. Weguelin. 8th August 1748.

635. A grant unto George Spence, of the parish of St Olave, Southwark, dyer, Charles Dolby, of Lothbury, London, warehouseman, and John Christopher Weguelin, of Throgmorton Street, London, merchant, of their new invented art or mystery of dying green & blue Saxon colors ; to hold to them, their execrs, admrs, and assignes, within England, Wales, & town of Berwick-upon-Tweed, for the term of 14 years pursuant to the statute in that behalf, with a clause to inroll within four kalendar months from the date hereof. Witnesses, Thomas Archbishop of Canterbury, &c, at Westmr, the 8th day of August, in the year above. By writt, &c.

Paul. 30th August 1748.

636. A grant unto Lewis Paul, of Birmingham, in the county of Warwick, gentl, of his new invented machine or instrument whereby carding of wool, cotton, & raw silk is performed with much greater expedition and exactness than hath ever been done by any method hitherto practised ; to hold to him, his exors, admrs, & assignes, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute in that behalf ; with a clause to inroll within four kalendar months from the date hereof. Witnesses, Thomas Archbishop of Canterbury, &c, at Westmr, the 30th day of August, in the year above. By writt, &c.

Postlethwayt. 24th Sept. 1748.

637. A grant unto Malachy Postlethwayt, esqre, of his new invented method of casting iron from the iron stone or ore more pure, more tough, & much nearer approaching to the toughness & malleability of forged iron itself than was ever done in this or any other nation ; to hold to him, his execrs, admrs, & assignes, within England, Wales, & town of Berwick-upon-Tweed, and His Mātie's colonies & plantacons in America, for the term of 14 years pursuant to the statute in that behalf ; with a clause to inroll within 4 kalendar months from the date hereof. Witnesses, Thomas Archbishop of Canterbury, &c, the 24th day of Septr, in the year above. By writt, &c.

WALFORD. 18th Nov. 1748.

638. A grant unto THOMAS WALFORD, of Manchester, in the county palatine of Lancaster, chapman, of the sole use and benefit of his new invented engine or machine for laying or intermixing of threads, cords, or thongs of different kinds, comonly called platting; to hold to him, his execrs, admrs, & assignes, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute in that behalf; with a clause to inroll within four kalendar months. Witnesses, Thomas Archbishop of Canterbury, &c, the 18th day of November, in the year above. By writt, &c.

CARTWRIGHT. 31st January 1749.

639. A grant unto BENJAMIN CARTWRIGHT, of the Strand, in the parish of St Martin's-in-the-Fields, in the county of Middx, steel toymaker, of his new invented steel candle snuffers and stand, and likewise a secret spring to secure a watch in a man's fob or by a lady's side, therein more particularly described; to hold to him, his execrs, admrs, & assignes, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute in that case; with a clause to inroll within 4 kalendar months. Witness His Mãtie at Westmr, the 31st day of January, in the year above. By writt, &c.

RIBRIGHT. 7th Feb. 1749.

640. A grant unto THOMAS RIBRIGHT, of the parish of St Lawrence Mildred, in the city of London, optician, of his new invented method of making small perspective glasses with mathematical & other instruments & twees in one and the same case, both with & without microscopes or magnifying glasses therein, in a very portable and neat manner; to hold to him, his execrs, admrs, & assignes, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll within four kalendar months. Witness His Mãtie at Westmr, as next above. By writt, &c.

SEDGWICK. 23rd Feb. 1749.

641. A grant unto WILLIAM SEDGWICK, late of St James's Clerkenwell London, but now of the town & county of Newcastle-upon-Tyne, surgeon, of his new invented method of making a drug called sal ammoniack or armoniack of greater purity than any hitherto imported from foreign parts; to hold to him, his execrs, admrs, & assignes, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll within three kalendar months. Witness His Mãtie at Westmr, the 23rd day of February, in the year above. By writt, &c.

BAKER. 3rd April 1749.

642. A grant unto JOHN BAKER, whitner & hosier, of his new invented method of refining the comon gross lees that are produced after the boiling, bouking, or bucking of linnens & cottons, and of making the same equally serviceable & fully effectual in the boiling, bouking, or bucking & bleaching of linnens & cottons, & likewise in making sope, & in every other manufactury wherein pott ashes or any other vegetable ashes are used; to hold to him, his execrs, admrs, & assignes, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll within 4 kalendar months. Witness His Mãtie at Westmr, the 3rd day of April, in the year above. By writt, &c.

LANGWORTHY. 9th May 1749.

643. A grant unto RICHARD LANGWORTHY, of South Brent, in the county of Devon, chirurgeon, of his new invented machine which is to be turned by the wind only & will draw with great ease any weight of water, metal ore, or other weight whatsoever from pitts, quarries, or other great depths; to hold to him, his execrs, admrs, & assignes, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute in that behalf; with a clause to inroll within 4 kalendar months from the date hereof. Witness His Mãtie at Westmr, the 9th day of May, in the year above. By writt, &c.

WARD.
WHITE.
23rd June 1749.

644. A grant unto JOSHUA WARD, of the parish of S^{t} Martin-in-the-Fields, in the county of Middx, esq^{re}, & JOHN WHITE, of the parish of Twickenham, in the said county, genᵗ, of their new invented method of making a liquor & spirit of sulphur with brimstone & salt petre, which for its purity far excells in many uses the liquid called oyl or spirit of vitriol; to hold to them, their exec^{rs}, admors, & assignes, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute in that behalf; with a clause to inroll within four kalendar months. Witness His Mātie at Westm^{r}, the 23rd day of June, in the year above. By writt, &c.

PALMER.
29th June 1749.

645. A grant unto SAMUEL PALMER, of the parish of S^{t} Martin-in-the-Fields, in the county of Middx, surgeon, of his new invented kind of horse bitts of various construccons, and in a different manner to any of those at present in use; to hold to him, his exec^{rs}, adm^{rs}, & assignes as next above; with the like clause. Witness His Mātie at Westm^{r}, the 29th day of June, in the year above. By writt, &c.

MOORE.
STARK.
1st July 1849.

646. A grant unto MATTHEW MOORE, of the parish of S^{t} James, in the county of Middx, & CHARLES SIGISMOND STARK, of the same parish, genᵗ, of their new invented chimical composition of metal which hath not been prepared by any others, and which by its firmness and compactness is fitter for cannon & other field arms than any hitherto made use of; to hold to them, their exec^{rs}, adm^{rs}, & assigns as above; with the like clause. Witness His Mātie at Westm^{r}, the 1st day of July, in the year above. By writt, &c.

JEWERS.
LODGE.
1st July 1749.

647. A grant unto DANIEL JEWERS, of S^{t} Edmunds Bury, in the county of Suffolk, builder, & WILLIAM LODGE, of the same place, gent., of their new invented method of making pearl ashes, full as good as any made abroad in parts beyond the seas; to hold to them, their exec^{rs}, adm^{rs}, & assignes as above; with the like clause. Witness His Mātie at Westm^{r}, as next above. By writt, &c.

STOKOE.
NEWTON.
29th July 1749.

648. A grant unto THOMAS STOKOE, of Bryant's Leap, in the county of Durham, genᵗ, & viewer of collieries & coal mines, & WILLIAM NEWTON, of Burnop Field, in the said county, genᵗ, & viewer of collieries & coal mines, of their new invented machine or engine for the more easy & expeditious drawing of coals, stones, water, oar, & other heavy bodies, out of pitts, mines, & other places of great depth; to hold to them, their exec^{rs}, adm^{rs}, & assignes, within England, Wales, & town of Berwick-upon-Tweed, for the term of 14 years pursuant to the statute in that behalf; with a clause to inroll within four kalendar months. Witness His Mātie at Westm^{r}, as next above. By writt, &c.

FRYE.
17th Nov. 1749.

649. A grant unto THOMAS FRYE, of the parish of West Ham, in the county of Essex, painter, of his new invented method of making a certain ware, not inferior in beauty & finess & rather superiour in strength than earthen ware brought from the East Indies, & comonly known by the name of China, Japan, or porcelain ware; to hold to him, his exec^{rs}, adm^{rs}, & assignes, within England, Wales, & town of Berwick-upon-Tweed, and His Mātie's colonies & plantacons in America, for the term of 14 years pursuant to the statute in that behalf; with a clause to inroll within four kalendar months from the date hereof. Witness His Mātie at Westm^{r}, the 17th day of November, in the year above. By writt, &c.

SMITH,
6th Dec. 1749.

650. A grant unto THOMAS SMITH, of Spittlefields, in the city of London, genᵗ, of his new invented medicinal snuff, in curing of disorders of the hypo-

condriac & meloncolly kind, as also of imposthumations, agues in the head, ejection of polypusses, and various other & similar indispositions ; to hold to him, his execrs, admrs, & assignes, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute in that behalf ; with a clause to inroll within 3 kalendar months from the date hereof. Witness His Mãtie at Westmr, the 6th day of Decr, in the year above.

By writt, &c.

CREED. 13th Dec. 1749.

651. A grant unto Sr JAMES CREED, of East Greenwich, in the county of Kent, knt, of his new invented method or way of making white lead, and also of casting lead which is to be used for milling for the covering of churches, houses, and other buildings ; to hold to him, &c., within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute in that behalf ; with a clause to inroll within 6 kalendar months from the date hereof. Witness His Mãtie at Westmr, the 13th day of Decr, in the year above. By writt, &c.

BATCHELER. 6th Feb. 1750.

652. A grant unto JOHN BATCHELER, of the Old Artillery Ground, in the liberty of the Tower of London, weaver, of his new invenc̃on whereby brocades & tissues of gold, silver, & silk, gold or silver and silk, or silk only, are greatly improved ; to hold to him, his exec , admrs, & assignes, within England, Wales, & town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute in that behalf ; with a clause to inroll within four kalendar months from the date hereof. Witness His Mãtie at Westmr, the 6th day of February, in the year above. By writt, &c.

MEINZIES. 9th Feb. 1750.

653. A grant unto MICHAEL MEINZIES, esqre, of his new invented machine for carrying coals from the coal walls where they are dugg to the bottom of the pitt or shaft, and from the mouth of the pitt or shaft to the heaps, and for several other purposes therein particularly menc̃oned ; to hold to him, his execrs, admrs, & assignes, within England, Wales, & town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute in that behalf ; with a clause to inroll as next above. Witness His Mãtie at Westmr, the 9th day of Feb̃ry, in the year above. By writt, &c.

DENT. 13th March 1750.

654. A grant unto ISAAC DENT, of Crutched Friars, London, mason, of his new invented method of making terras, used in all brick & stone work for building bridges & wharfs ; to hold to him, his execrs, admrs, & assigns, within England, Wales, & town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute in that behalf ; with a clause to inroll within four kalendar months from the date hereof. Witness His Mãtie at Westmr, the 13th day of March, in the year above. By writt, &c.

THOMPSON. 6th April 1750.

655. A grant unto JOHN THOMPSON, of Uxbridge, in the county of Midd̃x, watchmaker, of his new invented chair or carriage for one person to travel in, with one wheel and a harness for the horse to draw the same, quite different from all other chairs or carriages and harness hitherto invented & made ; to hold to him, his execrs, admrs, & assignes, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute in that behalf ; with a clause to inroll within 4 months from the date hereof. Witness His Mãtie at Westmr, the 6th day of April, in the year above.

By writt, &c.

ADAMS. JACK. 25th May 1750.

656. A grant unto GEORGE ADAMS, of Fleet Street, London, mathematical instrument maker, & RICHARD JACK, of the parish of St Martin's-in-the-Fields, in the county of Midd̃x, genr̃, of their new invenc̃ons of an instrument or

quadrant for taking the altitude of the sun or moon at sea or land, but more especially at sea, by refraction, and also of a refracting telescope of a new construcc̃on consisting of four spherical lenses ; to hold to them, their execrs, admrs, & assignes, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute in that behalf ; with a clause to inroll within 4 kalendar months from the date hereof. Witnesses, Thomas Archbishop of Canterbury, &c, the 25th day of May, in the year above.

By writt, &c.

PENNINGTON. 13th Oct. 1750.

657. A grant unto WILLIAM PENNINGTON, of the parish of Kirkby, in Kendale, in the county of Westmoreland, milnwright, of his new invented machine or engine for pricking the leathers of wool, silk, cotton, or any other cards ; to hold to him, his execrs, admrs, & assignes, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute in that behalf ; with a clause to inroll within four kalendar months from the date thereof. Witnesses, Thomas Archbishop of Canterbury, &c, at Westmr, the 13th day of October, in the year above. By writt, &c.

PERKINS. 24th Nov. 1750.

658. A grant unto WILLIAM PERKINS, of the parish of St. Magnus, in the city of London, gentn, of his new invented machine for grinding corn or for raising water to drain fenn land, coal pitts, mines, & several other purposes therein menc̃oned ; to hold to him, his execrs, admrs, & assignes, within England, Wales, & town of Berwick-upon-Tweed, and His Mãtie's dnions & plantac̃ons in America, for the term of 14 years pursuant to the statute in that behalf ; with a clause to inroll within four kalendar months from the date hereof. Witness His Mãtie at Westmr, the 24th day of November, in the year above. By writt, &c.

ELLIOTT. 22nd Jan. 1751.

659. A grant unto JOHN ELLIOTT, of College Street, in the city of Westmr, genr̃, of his new invenc̃on of a particular art & method of printing, painting, staining, & colouring flannells & other woollens ; to hold to him, his ex̃ors, admrs, & assignes, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute in that behalf ; with a clause to inroll within four kalendar months from the date hereof. Witness His Mãtie at Westmr, the 22nd day of Jañry, in the year above. By writt, &c.

COOKE. 2nd Feb. 1751.

660. A grant unto OSMOND COOKE, of the city of London, distiller, of his new invented method of cleansing and improving British spirits to greater perfection than hath hitherto been practised ; to hold to him, his execrs, admrs, & assignes, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute in that behalf ; with a clause to inroll within four calendar months from the date hereof. Witness His Mãtie at Westmr, the 2nd day of Febry, in the year above. By writt, &c.

FRAUNCES. 27th March 1751.

661. A grant unto JOSEPH FRAUNCES, of Daventry, in the county of Northton, apothecary, of his new invented chimical preparac̃on, called by the name of the female strengthening elixir ; to hold to him, his execrs, admrs, & assignes, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute in that behalf ; with a clause to inroll within 3 kalendar months from the date hereof. Witness His Mãtie at Westmr, the 27th day of March, in the year above. By writt, &c.

MARCHANT. 4th April 1751.

662. A grant unto WILLOUGHBY MARCHANT, of the parish of St Ann, in the county of Middx, genr̃, of his new invented method of making hard soap, comonly called Castile soap ; to hold to him, his execrs, admrs, & assignes, within England, Wales, & town of Berwick-upon-Tweed for the term of 14

years pursuant to the statute in that behalf; with a clause to inroll within 3 kalendar months from the date hereof. Witness His Mãtie at Westmr, the 4th day of April, in the year above. By writ, &c.

BAKER. BARKER. 18th April 1751.

663. A grant unto JOHN BAKER, whitner & hosier, & JOHN BARKER, soap boiler & chandler, of their new invenc̃on of making fine pot ashes, cõmonly called pearl ashes; to hold to them, their execrs, admrs, & assignes, within His Mãtie's dominions, settlements, plantac̃ons, & territories in the West Indies & America for the term of 14 years pursuant to the statute in that behalf; with a clause to inroll within 4 kalendar months from the date hereof. Witness His Mãtie at Westmr, the 18th day of April, in the year above. By writ, &c.

WATSON. 11th Oct. 1751.

664. A grant unto HENRY WATSON, of Bakewell, in the county of Derby, stone cutter, of his new invented machine or engine, which far excells all yet known for cutting or sawing marble & stone, and for facing & polishing the same; to hold to him, his execrs, admrs, & assignes, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute in that case made; and a clause is inserted to inroll within 3 kalendar months from the date hereof. Witness His Mãtie at Westmr, the 11th day of Octr, in the year above. By writ, &c.

ROCK. 17th Oct. 1751.

665. A grant unto RICHARD ROCK, of the parish of St Bridget otherwise Brides, London, licentiate in medicines, of his new invented compound medicine, or anti-venereal cathartick electuary, for the true cure of fresh venereal injuries, and all the lurking relicts or remains of old ones; to hold to him, his execrs, admrs, & assignes, within England, Wales, & town of Berwick-upon-Tweed, and His Mãtie's colonies & plantac̃ons in America, for the term of 14 years pursuant to the statute in that case; and a clause is inserted to inroll the same within 3 kalendar months from the date hereof. Witness His Mãtie at Westmr, the 17th day of October, in the year above. By writ, &c.

LANGLEY. 31st Dec. 1751.

666. A grant unto JAMES LANGLEY, surgeon, of his new invenc̃ons of an oil that gives almost present ease in fits of the gravel & stone, & other purposes therein menc̃oned; to hold to him, his execrs, admors, & assignes, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years; with a clause to inroll within 4 calendar months from the date hereof. Witness His Mãtie at Westmr, the day and year next above. By writ, &c.

WEST. 1st Jan. 1752.

667. A grant unto GEORGE WEST, of the city of London, surgeon, of his new invented composition, which he calls West's pectoral elixir; to hold to him, his execrs, admrs, & assignes, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years; with a clause to inroll within 3 calendar months from the date hereof. Witness His Mãtie at Westmr, the 1st day of Janry, in the year above. By writ, &c.

COLEMAN. 11th Feb. 1752.

668. A grant unto EDWARD COLEMAN, of the parish of Lambeth, in the county of Surry, mariner, of his new invented machine for draining or flooding of lands, & several other purposes therein menc̃oned; to hold to him, his execrs, admrs, & assignes within England, Wales, & town of Berwick-upon-Tweed, and His Mãtie's colonies & plantac̃ons in America, for the term of 14 years pursuant to the statute; with a clause to inroll within four kalendar months from the date hereof. Witness His Mãtie at Westmr, the 11th day of Febry, in the year above. By writ, &c.

BAYNES. 25th Feb. 1752.

669. A grant unto JOHN BAYNES, of King Street, in the parish of Saint George Bloomsbury, carpenter, of his new invented method of making sash frames; to hold to him, his execrs, admrs, & assignes, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute in that behalf; with a clause to inroll the same within 3 kalendar months from the date hereof. Witness His Mãtie at Westmr, the 25th day Febry, in the year above. By writ, &c.

LIGHTOLER. 9th April 1752.

670. A grant unto TIMOTHY LIGHTOLER, of Warwick, in the county of Warwick, carver, of his new invented machine for the cutting of files; to hold to him, his execrs, admrs, & assignes, within England, Wales, & town of Berwick-upon-Tweed for the term of fourteen years; with a clause to inroll within 4 calendar months from the date hereof. Witnesses, Thomas Archbishop of Canterbury, &c, at Westmr, the 9th day of April, in the year above. By writ, &c.

TUITE. DONALDSON. SPIVEY. 25th June 1752.

671. A grant unto JOHN TUITE, JOHN DONALDSON, & CHARLES SPIVEY, of their curious new invented engine for raising of water, draining of lands, & several purposes therein mencõned; to hold to them, their execrs, admrs, & assignes, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; and a clause is inserted to inroll the same within 4 kalendar months from the date hereof. Witnesses, Thomas Archbishop of Canterbury, &c., at Westmr, the 25th day of June, in the year above. By writ, &c.

HOOPER. 1st July 1752.

672. A grant unto JOHN HOOPER, of Reading, in the county of Berks, of his new invented cordial & powder called the childbed cordial & powder, and also a balsom & powder called a strengthening balsom & powder for rickety & weakly children; to hold to him, his execrs, admrs, & assignes, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; and a clause is inserted to inroll the same within three kalendar months from the date hereof. Witnesses, Thomas Archbishop of Canterbury, &c, at Westmr, the 1st day of July, in the year above. By writ, &c.

COLLETT. JACKSON. 3rd July 1752.

673. A grant unto JOSEPH COLLETT, practitioner in physick, & JAMES JACKSON, chymist, of their new invented medicine called oleum anedinum or British balsam of health; to hold to them, their execrs, admrs, & assignes, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; and a clause is inserted to inroll the same within four kalendar months from the date hereof. Witnesses, Thomas Archbishop of Canterbury, &c., at Westmr, the 3rd day of July, in the year above. By writ, &c.

BAKER. 13th Jan. 1753.

674. A grant unto JOHN BAKER, of Bakewell, in the county of Derby, merchant, of his new invented method of saving the oyly particles that are boiled off & evaporated in the English method of boiling tar into pitch, and of saving the smoak or soot produced by burning tar into pitch, which makes lamp black; to hold to him, his execrs, admrs, & assignes, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; and a clause is inserted to inroll the same within 3 kalendar months from the date hereof. Witness His Mãtie at Westmr, the 13th Janry, in the year above. By writ, &c.

WILKINSON. 24th Jan. 1753.

675. A grant unto ISAAC WILKINSON, of Wilson House, in the parish of Cartmell, in the county palatine of Lancaster, gentn, of his new invented cast mettalic rolls, for crushing, flattening, bruising, or grinding of malt, oats,

beans, or any other kind of grain, & other purposes therein menc̃oned ; to hold to him, his execrs, admrs, & assignes, within England, Wales, & town of Berwick-upon-Tweed, and His Mãtie's colonies and plantac̃ons in America, for the term of 14 years pursuant to the statute ; and a clause is inserted to inroll the same within 3 kalendar months from the date hereof. Witness His Mãtie at Westmr, the 24th day of Janry, in the year above. By writ, &c.

Suxspeach. 19th Feb. 1753.

676. A grant unto John Suxspeach, of the parish of St Dunstan, Stepney, in the county of Midd̃x, schoolmaster, of his new invented instrument, called the catholick organon or universal sliding foot rule ; to hold to him, his execrs, admrs, & assignes, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute ; and a clause is inserted to inroll the same within 3 kalendar months from the date hereof. Witness His Matie at Westmr, the 19th day of February, in the year above. By writ, &c.

Leake. 6th March 1753.

677. A grant unto Walter Leake, of the city of London, practitioner in physick, of his new invented pill, called pilula salutaria or health restoring pill ; to hold to him, his execrs, admrs, & assignes, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute ; and a clause is inserted to inroll the same within 3 kalendar months from the date hereof. Witness His Mãtie at Westmr, the 6th day of March, in the year above. By writ, &c.

Craven. 29th March 1753.

678. A grant unto Thomas Craven, of Scarborough, in the county of York, plumber, of his new invenc̃on of a pair of pumps for the use of merchants ships & colliers ; to hold to him, his execrs, admrs, & assignes, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute ; and a clause is inserted to inroll the same within 3 kalendar months from the date hereof. Witness His Mãtie at Westmr, the 29th day of March, in the year above. By writ, &c.

Green. 30th March 1753.

679. A grant unto Radcliff Green, of Wakefield, in the county of York, merchant, of his new invented method of dying & staining leather to the same if not greater perfection than what is practiced either in Portugal or Barbary ; to hold to him, his execrs, admrs, & assignes, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute ; and a clause is inserted to inroll the same within 3 kalendar months from the date hereof. Witness His Mãtie at Westmr, the 30th day of March, in the year above. By writ, &c.

Jackson. 5th April 1753.

680. A grant unto Humphry Jackson, of East Smithfield, in the parish of St Botolph without Aldgate, in the county of Midd̃x, chemist, of his new invented art or mystery of making a certain medicine, called cordial bitter tincture for the stomach ; to hold to him, his execrs, admrs, and assignes, within England, Wales, & town of Berwick-upon-Tweed, and His Mãtie's colonies & plantac̃ons in America, for the term of 14 years pursuant to the statute ; with a clause to inroll within three kalendar months from the date hereof. Witness His Mãtie at Westmr, the 5th day of April, in the year above. By writ, &c.

Mole. 10th April 1753.

681. A grant unto Keyser Mole, of the parish of St Mathew, Bethnal Green, in the county of Midd̃x, turner, of his new invented method of bleaching, whitening, & beautifying of hatts, comonly called Leghorn hatts ; to hold to him, his execrs, admrs, & assignes, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute ; with a clause to inroll within 4 kalendar months from the date hereof. Witness His Mãtie at Westmr, the 10th day of April, in the year above. By writ, &c.

LIDDELL.
12th April 1753.

682. A grant unto RICHARD LIDDELL, late of the town of Newcastle-upon-Tyne, but now of the city of London, master & mariner, of his new invented machines or vessels for removing or carrying away of earth, ballast, sand, rubbish, or any other kind of matter; to hold to him, his execrs, admors, & assigns, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll within three kalendar months from the date hereof. Witness His Mãtie at Westmr, the 12th day of April in the year above. By writ, &c.

DE VILLERS.
30th May 1753.

683. A grant unto LOUIS FLORENT DELANNOŸ DE VILLERS, of Cushion Court, in the parish of St Peter Poor, in the city of London, esqre, of his new invented method of making gun carriages of cast iron, which are so contrived that two men can work the biggest carriages in battery with as great ease as eight men could do those hitherto in use; to hold to him, his execrs, admrs, & assignes, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll within 4 kalendar months from the date hereof. Witness His Mãtie at Westmr, the 30th day of May, in the year above. By writ, &c.

WRIGHT.
1st August 1753.

684. A grant unto WILLIAM WRIGHT, of Baldock, in the county of Hertford, surgeon, of his new invented medicine, which he calls the cordial mixture for women in labour; to hold to him, his execrs, admrs, & assigns, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; and a clause to inroll within 4 calendar months from the date hereof. Witness his Mãtie at Westmr, the 1st day of Augt, in the year above. By writ, &c.

DIGHTON.
22nd August 1753.

685. A grant unto EDWARD DIGHTON of his new invented method of manufacturing paper for hanging & ornamenting of rooms & other purposes; to hold to him, his execrs, admrs, & assigns, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll within 4 kalendar months from the date hereof. Witness His Mãtie at Westmr, the 22nd day of Augt in the year above.
By writ, &c.

HULLS.
BRADFORD.
12th Dec. 1753.

686. A grant unto JONATHAN HULLS, of Broad Campden, in the county of Gloucester, yeoman, & WILLIAM BRADFORD, of Chipping Campden, in the said county, schoolmaster, of their new invented machine for preventing frauds by counterfeiting gold, which gives the weight & alloy of that metal in coin, rings, & all utensils made of gold; and likewise have invented a new sliding rule, whereby the contents of all solids and superficials are found out than by the cõmon sliding rule; to hold to them, their execrs, admrs, & assigns within England, Wales, & town of Berwick-upon-Tweed, and his Mãtie's plantacõns abroad, for 14 years according to the statute; with a clause to inroll within 3 kalendar months from the date hereof. Witness His Mãtie at Westmr, the 12th day of Decr, in the year above. By writ, &c.

BUTLER.
WRIGHT.
22nd Jan. 1754.

687. A grant unto SAMUEL BUTLER & JOHN WRIGHT, of the city of London, coachmakers, of their new invented improvement of coaches & other wheel carriages, so as to render them more easy, safe, & convenient to those that are conveyed in them, & less burdensome to the horses that draw them; to hold to them, their execrs, admrs, & assigns within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll within 3 kalendar months from the date hereof. Witness His Mãtie at Westmr, the 22nd day of Jany, in the year above.
By writ, &c.

JOHNSON. 31st Jan. 1754.

688. A grant unto WILLIAM JOHNSON, of Rotherhith, in the county of Surry, brazier, of his new invented double & single kettles, furnaces, & boilers, made of wrought iron plate, to be used in the Royal Navy, instead of the like kinds of utensils made of copper ; to hold to him, his execrs, admrs, & assigns, within England, Wales, & town of Berwick-upon-Tweed, and all His Mãtie's colonies & plantacons in America, for the term of 14 years pursuant to the statute; with a clause to inroll within 4 kalendar months from the date hereof. Witness His Mãtie at Westmr, the 31st day of Janry, in the year above. By writ, &c.

BOWMAN. CATHERWOOD. 21st Feb. 1754.

689. A grant unto KEMP BOWMAN, of the parish of St Mary Rotherhith, in the county of Surry, gent, & WILLIAM CATHERWOOD, of the parish of St Luke, in the county of Middx, apothecary & surgeon, of their new invented method of making salt from sea water by applying and adapting a certain machine not hitherto used for that purpose ; to hold to them, their execrs, admrs, & assignes, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute ; with a clause to inroll within 4 kalendar months from the date hereof. Witness His Mãtie at Westmr, the 21st day of Febry, in the year above. By writ, &c.

LEWIS. 21st May 1754.

690. A grant unto JOHN LEWIS, of Plymouth, in the county of Devon, merchant, of his new invented varnish of pine for paying ships sides & masts, & for preventing timber buildings from the ill effects of the weather; to hold to him, his execrs, admrs, & assignes, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute, and to inroll as next above. Witness His Mãtie at Westmr, the 21st day of May, in the year above. By writ, &c.

ZOMER. 23rd May 1754.

691. A grant unto PETER ZOMER, merchant, a native of Zaandam, in Holland, of his new invented method of making black train oyl & fish glue, therein more particularly described ; to hold to him, his execrs, admrs, & assigns, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute ; and a clause to inroll within 4 kalendar months from the date hereof. Witness his Mãtie at Westmr, the 23rd day of May, in the year above. By writt, &c.

BOWSER. 3rd July 1754.

692. A grant unto GEORGE BOWSER, of the parish of St. Luke, in the county of Middx, imbosser, of his new invented art or mystery of imbossing, printing, or staining callimancoes and other woollen goods ; to hold to him, his execrs, admrs, & assigns, within England, Wales, & town of Berwick-upon-Tweed, and His Mãtie's plantacons in America, for the term of 14 years pursuant to the statute ; with a clause to inroll within 4 kalendar months from the date hereof. Witness His Mãtie at Westmr, the 3rd day of July, in the year above. By writ, &c.

TAYLOR. 3rd July 1754.

693. A grant unto JAMES TAYLOR, of Ashton-under-Line, in the county palatine of Lancaster, clock maker, of his new invented engine for spinning of cotton wool into yarn ; to hold to him, his execrs, admrs, & assignes, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll within 4 kalendar months from the date hereof. Witness His Mãtie at Westmr, as next above. By writ, &c.

MAW. BISHOP. 26th Nov. 1754.

694. A grant unto ROBERT MAW, of Owston, in the county of Lincoln, oil maker, & THOMAS BISHOP, of the town & county of Kingston-upon-Hull, indigo maker, of their new invented liquid blew, which has been found greatly preferable to other blews in blewing of linnens, cottons, &c ; to hold

to them, their execrs, admrs, & assigns, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll within 4 kalendar months from the date hereof. Witness His Mãtie at Westmr, the 26th day of Novr, in the year above.

By writ, &c.

COLLET. 2nd Dec. 1754.

695. A grant unto JOSEPH COLLET, of the city of London, practitioner in physick, of his new invented medicine, called oleum vitæ, or the ladies' nervous & cordial drops; to hold to him, his execrs, admrs, & assigns, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll within 3 kalendar months from the date hereof. Witness His Mãtie at Westmr, the 2nd day of Decr, in the year above. By writ, &c.

DANIELL. 23rd Jan. 1755.

696. A grant unto WILLIAM DANIELL the younger, of Yeovill, in the county of Somerset, glover, of his new invented machine or engine to be worked with water, wind, or horses, and to be solely applyed for dressing, winnowing, & cleansing of flax; to hold to him, his execrs, admrs, & assigns, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll within four kalendar months from the date hereof. Witness His Mãtie at Westmr, the 23rd day of Jañry, in the year above.

NIGHTINGALE. 10th Feb. 1755.

697. A grant unto PAUL NIGHTINGALE, of the city of London, gent., of his new invented method of making salt petre from vegetables; to hold to him, his execrs, admrs, & assigns, within England, Wales, & town of Berwick-upon-Tweed, and His Mãties plantacons in America, for the term of 14 years pursuant to the statute; with a clause to inroll within 3 kalendar months from the date hereof. Witness His Mãtie at Westmr, the 10th day of Febry, in the year above. By writ, &c.

BOSLEY. 1st March 1755.

698. A grant unto JOSEPH BOSLEY, of Leadenhall Street, in the city of London, watchmaker, of his new invented movement of repeating and all other sort of watches on a new principle never heretofore used; and also a new slide to watches which is more certain to regulate watches by than any other method hitherto used; to hold to him, his execrs, admrs, & assigns, within England, Wales, & town of Berwick-upon Tweed, for the term of 14 years pursuant to the statute; with a clause to inrol within 4 kalendar months from the date hereof. Witness His Mãtie at Westmr, the 1st day of March, in the year above. By writ, &c.

WRIGHT. 2nd April 1755.

699. A grant unto STEPHEN WRIGHT, of North Shields, in the county of Northumberland, master & mariner, of his new invented method for the more easy weighing of a ship's anchor at sea; and also his new invented method of working the pumps of a ship, so as to discharge greater quantitys of water in less time than by any method now in use; to hold to him, his execrs, admrs, and assigns, within England, Wales, & town of Berwick-upon-Tweed, and His Mãtie's plantacons in America, for the term of 14 years pursuant to the statute; with a clause to inroll within 4 kalendar months from the date hereof. Witness His Mãtie at Westmr, the 2nd day of April, in the year above. By writ, &c.

LOWTHER. 4th June 1755.

700. A grant unto WILLIAM LOWTHER, of Great Kerby Street, in the parish of St Andrew Holborn, in the city of London, gent., of the sole use of his invencon of a certain medicine called anti-epileptic powders, which are an effectual remedy for appoplexies, epilepsies, convulsions, & several other

distempers ; to hold to him, his execrs, admrs, & assignes for the term of 14 years, within England, Wales, & town of Berwick-upon-Tweed pursuant to the statute ; and a clause to inroll within 4 kalendar months from the date hereof. Witnesses, &c, at Westmr, the 4th day of June, in the year above. By writ, &c.

Weisenthal. 24th June 1755.

701. A grant unto Charles Frederick Weisenthal, of the city of London, merchant, of his new invented art of working fine thread in needlework after the manner of Dresden needlework ; to hold to him, his execrs, admrs, & assigns, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute ; with a clause to inroll within 3 kalendar months from the date hereof. Witnesses, &c, at Westmr, the 24th day of June, in the year above. By writ, &c.

Bähre. 22nd July 1755.

702. A grant unto Joachim Andreas Bähre, of the parish of St James, within the liberty of Westmr, in the county of Middx, limner, of his new invented liquid composicon for printing & painting paper, silk, cloth, & canvas in divers colours ; to hold to him, his execrs, admrs, & assigns, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute ; with a clause to inroll within 4 kalendar months from the date hereof. Witnesses, &c, at Westmr, the 22nd day of July, in the year above. By writ, &c.

John. 25th August 1755.

703. A grant unto George John, of the parish of Camborne, in the county of Cornwall, engineer, of his new invented method of raising water by fire ; to hold to him, his execrs, admrs, & assignes, within England, Wales, & town of Berwick-upon-Tweed for 14 years pursuant to the statute ; with a clause to inroll within 4 kalendar months from the date hereof. Witnesses, &c, at Westminster, the 25th day of August, in the year above. By writ, &c.

Collier. 10th Sept. 1755.

704. A grant unto James Collier, of Lincoln's Inn, in the county of Middx, esq, of his new invented engine or mill for draining waters from fenny, moorish, & drowned lands ; to hold to him, his execrs, admrs, & assigns, within England, Wales, & town of Berwick-upon-Tweed for 14 years pursuant to the statute ; with a clause to inroll within 4 kalendar months from the date hereof. Witnesses, &c, at Westmr, the 10th day of Septr, in the year above. By writ, &c.

Taylor. 20th Oct. 1755.

705. A grant unto Jeremiah Taylor, of the city of Bristol, gentl, of his new invented excellent cordial draught for the cholick & all other griping pains ; to hold to him, his execrs, admrs, & assigns, within England, Wales, & town of Berwick-upon-Tweed, and in His Mãtie's plantacons abroad, for 14 years pursuant to the statute ; with a clause to inroll within four kalendar months from the date hereof. Witness His Mãtie at Westmr, the 20th day of October, in the year above. By writ, &c.

Walker. 29th Oct. 1755.

706. A grant unto Robert Walker, of the parish of St Sepulchre, in the city of London, dealer in medicines, of his new invented medicine called Jesuit's drops ; to hold to him, his execrs, admrs, & assigns, within England, Wales, & town of Berwick-upon-Tweed for 14 years pursuant to the statute ; with a clause to inroll within 4 kalendar months from the date hereof. Witness His Mãtie at Westmr, the 29th day of October in the year above. By writ, &c.

Oppenheim. 28th Nov. 1755.

707. A grant unto Mayer Oppenheim, of the city of London, merchant, of his new invencon of making or manufacturing of red transparent glass ; to hold to him, his execrs, admrs, & assigns, within England, Wales, & town of

Berwick-upon-Tweed for the term of 14 years pursuant to the statute ; with a clause to inroll within 4 kalendar months from the date hereof. Witness His Mãtie at Westmr, the 28th day of Novr, in the year above.

By writ, &c.

CLARK. 3rd March 1756.

708. A grant unto THOMAS CLARK, late of the city of Edinburgh, shoemaker, of his new invencõn of making of leather boxes & other things therein particularly menc̃oned ; to hold to him, his ex̃ors, adm̃ors, & assigns, within England, Wales, & town of Berwick-upon-Tweed, and His Mãtie's plantac̃ons in America, for the term of 14 years pursuant to the statute ; with a clause to inroll within 4 kalendar months from the date hereof. Witness His Mãtie at Westmr, the 3rd day of March, in the year above.

By writ, &c.

WRIGHT. 27th May 1756.

709. A grant unto JOHN WRIGHT, of Lower Redbrooke, in the county of Gloucester, refiner, of his new invented method of raising steam for working fire engines ; to hold to him, his execrs, admrs, & assigns, within England, Wales, & town of Berwick-upon-Tweed, and His Mãtie's plantac̃ons in America, for the term of 14 years pursuant to the statute ; with a clause to inroll within 4 kalendar months from the date hereof. Witness His Mãtie at Westmr, the 27th day of May, in the year above.

By writ, &c.

ARD. 9th Sept. 1756.

710. A grant unto CHARLES ARD, of the parish of St Clement Dane, in the city of Westmr, gent̃, of his new invented method of manufacturing salt ; to hold to him, his execrs, admrs, & assigns, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute ; with a clause to inroll within 4 kalendar months from the date hereof. Witness His Mãtie at Westmr, the 9th day of September, in the year above.

By writ, &c.

MORRIS. 9th Feb. 1757.

711. A grant unto ROBERT MORRIS, of Swansea, in the county of Glamorgan, esqre, of his new invented method of fashioning and colouring copper in imitac̃on of Jappan copper ; to hold to him, his execrs, admrs, & assigns, within England, Wales, & town of Berwick-upon-Tweed, and His Mãtie's plantac̃ons & colonies in America, for the term of 14 years pursuant to the statute ; with a clause to inroll within 4 kalendar months from the date hereof. Witness His Mãtie at Westmr, the 9th day of Febry, in the year above.

By writ, &c.

COX. 23rd Feb. 1757.

712. A grant unto EDWARD COX, of the parish of St Mary, Lambeth, in the county of Surry, barge builder, of his new invented engine or machine for unlading of coal ships that arrive in the pool of the River Thames ; to hold to him, his execrs, admrs, & assigns, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute ; with a clause to inroll within 4 kalendar months from the date hereof. Witness His Mãtie at Westmr, the 23rd day of Febr̃y, in the year above.

By writ, &c.

WILKINSON. 12th March 1757.

713. A grant unto ISAAC WILKINSON, of Barsham Furnace, in the parish of Wrexham, in the county of Denbigh, gent̃, of his new invented machine or kind of bellows, to be wrought by water or fire engines ; to hold to him, his execrs, admrs, and assigns, within England, Wales, & town of Berwick-upon-Tweed, and His Mãtie's colonies and plantac̃ons in America, for the term of fourteen years pursuant to the statute ; with a clause to inroll within four calendar months from the date hereof. Witness His Mãtie at Westmr, the 12th day of March in the year above.

By writ, &c.

LADD. 9th April 1757.

714. A grant unto JOHN LADD, of Trowbridge, in the county of Wilts, surveyor & dealer in timber, of his new invencon of making, on mechanical principles, waggons & other wheel carriages, which may be drawn with much less force than those now made use of; to hold to him, his execrs, admrs, & assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll within 3 kalendar months from the date hereof. Witness His Mātie at Westmr, the 9th day of April, in the year above. By writ, &c.

ROWE. 27th May 1757.

715. A grant unto JOHN ROWE, of Parransands, in the county of Cornwall, gent., of his new invencon of a mill for grinding of all sorts of mineral oars in a manner never heretofore practised; to hold to him, his execrs, admrs, & assigns, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll within 3 kalendar months from the date hereof. Witness His Mātie at Westmr, the 27th day of May, in the year above. By writ, &c.

GREENOUGH. 31st Oct. 1757.

716. A grant unto THOMAS GREENOUGH, of the parish of St Martin Ludgate, in the city of London, apothecary, of his new invented remedys for pains and disorders in the stomach & bowels, & other membraneous parts of the body therein particularly described; to hold to him, his execrs, admrs, & assigns, within England, Wales, & town of Berwick-upon-Tweed, and His Mātie's plantacons abroad, for the term of 14 years pursuant to the statute; with a clause to inroll the same within 4 kalendar months from the date hereof. Witness His Mātie at Westr, the 31st day of Octr, in the year above. By writ, &c.

HARRISON. 11th Nov. 1757.

717. A grant unto WILLIAM HARRISON, of Red Lyon Square, in the county of Middx, watchmaker, of his new invented engines called coach springs, whereby coaches, chariots, berlins, chaises, machines, & carriages of all kinds may be hung with the utmost safety, ease, & pleasure to the persons who ride in them; to hold to him, his execrs, admrs, & assigns, within England, Wales, & town of Berwick-upon-Tweed, and His Mātie's plantacons abroad, for the term of 14 years pursuant to the statute; with a clause to inroll the same within 4 kalendar months from the date hereof. Witness His Mātie at Westmr, the 11th day of Novr, in the year above. By writ, &c.

LOWTHER. 12th Nov. 1757.

718. A grant unto WILLIAM LOWTHER, of Hatton Garden, in the county of Middx, esqr, of his new invented medicine, which being made into powders are an effectual cure for all nervous & paralitick disorders, & chymically made into drops are an imediate cure for nervous & other pains & weaknesses; to hold to him, his execrs, admrs, & assigns, within England, Wales, & town of Berwick-upon-Tweed, and His Mātie's colonies and plantacons abroad, for the term of 14 years pursuant to the statute; with a clause to inroll the same within 4 kalendar months from the date hereof. Witness His Mātie at Westmr, the 12th day of November, in the year above. By writ, &c.

LA BLACHE. 12th Nov. 1757.

719. A grant unto LOUIS GOY LA BLACHE, of the parish of St George Bloomsbury, in the county of Middx, surgeon, of his new invented medicine, which he calls Royal Military Drops; to hold to him, his execrs, admrs, & assigns, within England, Wales, & town of Berwick-upon-Tweed, and His Mātie's colonies and plantacons abroad, for the term of 14 years pursuant to the statute; with a clause to inroll the same within 4 kalendar months from the date hereof. Witness His Mātie at Westmr, the 12th day of November, in the year above. By writ, &c.

BRIDGE.
12th Jan. 1758.

720. A grant unto THOMAS BRIDGE, of Tewkesbury, in the county of Glouc^r, gent^l, of his new invented machine for making rivers navigable, different from any machine that has been yet discovered ; to hold to him, his exec^rs, adm^rs, & assigns, within England, Wales, & town of Berwick-upon-Tweed, for the term of 14 years pursuant to the statute ; with a clause to inroll the same within 4 kalendar months from the date hereof. Witness His Mãtie at Westm^r, the 12^th day of January, in the year above. By writ, &c.

DOLLOND.
19th April 1758.

721. A grant unto JOHN DOLLOND, of the parish of S^t Martin-in-the-Fields, in the county of Middx, optician, of his new invented method of making the object glasses of refracting telescopes, by compounding mediums of different refractive qualitys, whereby the errors arising from the different refrangibility of light, as well as those which are produced by the spherical surfaces of the glasses, are perfectly corrected ; to hold to him, his exec^rs, adm^rs, & assigns, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute ; with a clause to inroll the same within 3 kalendar months from the date hereof. Witness His Mãtie at Westm^r, the 19^th day of April, in the year above. By writ, &c.

STRUTT.
WOOLLATT.
19th April 1758.

722. A grant unto JEDEDIAH STRUTT, of the parish of Blackwell, in the county of Derby, wheelwright, & WILLIAM WOOLLATT of the same place, hosier, of their new invented engine or machine, on which is fixed a sett of turning needles, which engine is fixed to a stocking frame for the making of turned ribed stockings, pieces, & other goods usually manufactured upon stocking frames ; to hold to them, their exec^rs, adm^rs, & assigns, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within four kalendar months from the date hereof. Witness His Mãtie at Westm^r, the day & year next above. By writ, &c.

WILKINSON.
21st April 1758.

723. A grant unto ISAAC WILKINSON, of Barsham Furnace, in the parish of Wrexham, in the county of Denbigh, gent^l, of his new invencon for casting of guns or canon, fire engines, cylinders, pipes, & sugar rolls, & other such like instruments, therein described ; to hold to him, his exec^rs, adm^rs, & assigns, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within four kalendar months from the date hereof. Witness His Mãtie at Westm^r, the 21^st day of April, in the year above. By writ, &c.

PAUL.
29th June 1758.

724. A grant unto LEWIS PAUL, esq^re, of his new invented machine for spinning of wool, cotton, & raw silk by a mode or means entirely new ; to hold to him, his exec^rs, adm^rs, & assigns, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute ; with a clause to inroll the same within four kalendar months from the date hereof. Witness His Mãtie at Westm^r, the 29^th day of June, in the year above. By writ, &c.

RAMINGER.
29th June 1758.

725. A grant unto HENRY RAMINGER, of the parish of Christ Church, in the county of Surry, of his new invented engines or machines, whereby shots comonly used for fowling & bullets of lead are made more exactly round, solid, and to much greater perfection than hath been hitherto practiced ; to hold to him, his exec^rs, adm^rs, & assigns, within England, Wales, & town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within three kalendar months from the date hereof. Witness His Mãtie at Westm^r, the 29^th day of June, in the year above. By writ, &c.

CHAMPION. 28th July 1758.

726. A grant unto JOHN CHAMPION, of the city of Bristol, merchant, for the sole preparing, vending, & selling of spelter & brass made from a mineral which has not hitherto been made use of for such purposes; to hold to him, his execrs, admrs, & assigns, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within three kalendar months from the date hereof. Witness His Mãtie at Westmr, the day and year next above. By writ, &c.

GORDON. GORDON. 12th Aug. 1758.

727. A grant unto GEORGE GORDON, coppersmith, & CUTHBERT GORDON, mercht, both of Leigh, in the county of Mid Lothian, in the kingdom of Great Britain called Scotland, of their new invented dye called cudbear; to hold to them, their execrs, admrs, & assigns, within England, Wales, & town of Berwick-upon-Tweed, and His Mãtie's plantacons and colonies in America, for the term of 14 years pursuant to the statute; with a clause to inroll within 4 kalendar months from the date hereof. Witness His Mãtie at Westmr, the 12th day of August, in the year above. By writ, &c.

COLLETT. 16th Aug. 1758.

728. A grant unto JOSEPH COLLETT, of the parish of St Martin's-in-the-Fields, in the liberty of Westmr & county of Midd̃x, genr, of his new invented medicine, called the antiarthritick wine & powder, for curing the gout; to hold to him, his execrs, admrs, & assigns, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll within 4 kalendar months from the date hereof. Witness His Mãtie at Westmr, the 16th day of Augt, in the year above. By writ, &c.

RYAN. 16th Aug. 1758.

729. A grant unto JOHN RYAN, of Warwick Court, in the parish of St Andrew Holborn, physician & surgeon, of his new invencon for the safe, expeditious, & effectual cure of the venereal disease; to hold to him, his execrs, admrs, & assigns, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll within 3 kalendar months from the date hereof. Witness His Mãtie at Westmr, the day & year next above. By writ, &c.

BRINDLEY. 27th Sept. 1758.

730. A grant unto JAMES BRINDLEY, of Leeke, in the county of Stafford, millwright, of his new invented fire engine or machine for drawing water out of mines, draining of lands, & other purposes therein mencoued; to hold to him, his execrs, admrs, & assigns, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within 4 kalendar months from the date hereof. Witness His Mãtie at Westmr, the 27th day of September, in the year above. By writ, &c.

IRWIN. 2nd Dec. 1758.

731. A grant unto CHRISTOPHER IRWIN, of the parish of St Martin-in-the-Fields, in the county of Midd̃x, esqre, of his new invented method of making a marine observatory and new adapted telescope & almanack for the more exact ascertaining the longitude at sea; to hold to him, his execrs, admrs, & assigns, within England, Wales, & town of Berwick-upon-Tweed, & His Mãtie's colonies & plantacons abroad, for the term of 14 years pursuant to the statute; with a clause to inroll within 4 kalendar months from the date hereof. Witness His Mãtie at Westm̃r, the 2nd day of Dec̃, in the year above. By writt, &c.

POOLE. RINGSTED. 21st Dec. 1758.

732. A grant unto JAMES POOLE & WILLIAM RINGSTED, coachmakers, of their new invented method of making coaches, charriots, post chaises, sedan chairs, & other such like carriages, & covering them with copper, iron, or brass (beautifully enamelled with gold or without), instead of leather; to hold

to them, their execrs, admrs, & assignes, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within 4 kalendar months from the date hereof. Witness His Mãtie at Westmr, the 21st day of Decr, in the year above.

By writ, &c.

BROWN. 22nd Dec. 1758.

733. A grant unto HENRY BROWN, of the parish of St James Clerkenwell, in the county of Middx, dyer, of his new invented art & method of dying, staining, & stamping of stockings & other apparel in all colours; to hold to him, his execrs, admrs, & assigns, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within 3 kalendar months from the date hereof. Witness His Mãtie at Westmr, the 22nd day of Decr, in the year above.

By writ, &c.

STRUTT. WOOLLAT. 10th Jan. 1759.

734. A grant unto JEDEDIAH STRUTT, of the parish of Blackwell, in the county of Derby, wheelwright, & WILLIAM WOOLLAT, of the same place, hosier, of their new invented engine or machine, on which is fixed a sett of turning needles, which engine is fixed to a stocking frame for the making of turned ribed stockings, pieces, & other goods usually manufactured upon stocking frames; to hold to them, their execrs, admrs, & assigns, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within 4 kalendar months from the date hereof. Witness His Mãtie at Westmr, the 10th day of Janry, in the year above. By writ, &c.

CHRYSEL. 24th Jan. 1759.

735. A grant unto CHRISTOPHER LEBRECHT CHRYSEL, of the parish of St Luke, in the county of Middx, chymist, of his new invented method of taking off wool from sheepskins, far preferable to that now practised by rotting & lime; to hold to him, his execrs, admrs, & assigns, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within 4 kalendar months from the date hereof. Witness His Mãtie at Westmr, the 24th day of January, in the year above. By writ, &c.

STORY. 3rd Feb. 1759.

736. A grant unto EDWARD STORY, of the parish of St James Clerkenwell, in the county of Middx, apothecary, of his new invented medicine, called rotulæ anthelminthicæ or worm-destroying cakes; to hold to him, his execrs, admrs, & assigns, within England, Wales, & town of Berwick-upon-Tweed, and His Mãtie's plantacons & colonies abroad, for the term of 14 years pursuant to the statute; with a clause to inroll the same within four kalendar months from the date hereof. Witness His Mãtie at Westmr, the 3rd day of February, in the year above. By writ, &c.

BEDFORD. 10th Feb. 1759.

737. A grant unto STEPHEN BEDFORD, of Birmingham, in the county of Warwick, japanner, of his new invented method of impressing, in imitacon of ingraving, upon varnish laid upon copper, iron, paper, & other bodys, to be used in coach pannels, snuff boxes, & other kinds of merchandize & devices; to hold to him, his execrs, admrs, & assigns, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within 4 kalendar months from the date hereof. Witness His Mãtie at Westmr, the 10th day of Febry, in the year above.

By writ, &c.

TREDWELL. 21st Feb. 1759.

738. A grant unto RICHARD TREDWELL, of the parish of St Giles-in-the-Fields, in the county of Middx, coach spring maker, of his new invented ribbed

spring, for hanging of coaches & other carriages lighter & easier for the rider & less lyable to break than any now made ; to hold to him, his execrs, admrs, & assigns, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute ; with a clause to inroll the same within 4 kalendar months from the date hereof. Witness His Mãtie at Westmr, the 21st day of Febry, in the year above. By writ, &c.

Wood. 25th May 1759.

739. A grant unto Henry Wood, of High Hercall, in the county of Salop, clerk, of his invented fire engine upon a new principal, different to any method heretofore used ; to hold to him, his execrs, admrs, & assigns, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute ; with a clause to inroll the same within 4 kalendar months from the date hereof. Witness His Mãtie at Westmr, the 25th day of May, in the year above. By writ, &c.

Blockley. 14th July 1759.

740. A grant unto Thomas Blockley, of Birmingham, in the county of Warwick, locksmith, of his new invented methods in all sorts of malliable metal for polishing & rolling it into different forms, & making of tyre for all sorts of wheel carriages ; to hold to him, his execrs, admrs, & assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute ; with a clause to inroll the same within 4 kalendar months from the date hereof. Witness His Mãtie at Westmr, the 14th day of July, in the year above. By writ, &c.

Holloway. 14th July 1759.

741. A grant unto Henry Holloway, of Clapton, in the parish of Hackney, in the county of Middx, gentl, of his new invented method, not hitherto practiced, for raising of water ; to hold to him, his execrs, admrs, & assigns, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute ; with a clause to inroll the same within 4 kalendar months from the date hereof. Witness His Mãtie at Westmr, the day & year, next above. By writ, &c.

Wessels. 23rd July 1759.

742. A grant unto Hart Wessels, of St Mary Axe, London, doctor of physick, of his new invented medicine, which he calls tinctura embryonum ; to hold to him, his execrs, admrs, & assigns, within England, Wales, & town of Berwick-upon-Tweed, and his Mãtie's colonies & plantacons abroad, for the term of 14 years pursuant to the statute ; with a clause to inroll the same within 4 kalendar months from the date hereof. Witness His Mãtie at Westmr, the 23rd day of July, in the year above. By writ, &c.

Pease. Monk. 29th Nov. 1759.

743. A grant unto Thomas Pease, of the parish of St Martin-in-the-Fields, in the county of Middx, coach spring maker, & William Monk, of the parish of St Margaret Westmr, in the said county, coachmaker & wheelwright, of their new invented axeltrees, whereby vehicles & carriages will be rendered more comodious & better for travelling, with less labour, agitation, & noise, than by any invencon hitherto found out ; to hold to them, their execrs, admrs, & assigns, within England, Wales, & town of Berwick-upon-Tweed, and His Mãtie's colonies & plantacons abroad, for the term of 14 years pursuant to the statute ; with a clause to inroll the same within four kalendar months from the date hereof. Witness His Mãtie at Westmr, the 29th day of November, in the year above. By writ, &c.

Riccards. Russell. 17th Jan. 1760.

744. A grant unto William Riccards, of the parish of St Mary Matfellon, otherwise Whitechappel, in the county of Middx, merchl, & Richard Russell, of the same place, glassmaker, of their new invented method for making potts & building furnaces for the making of crown glass, plate glass, and all sorts of green glass ; to hold to them, their execrs, admrs, & assigns, within England,

Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute ; with a clause to inroll the same within 4 kalendar months from the date hereof. Witness His Mãtie at Westmr, the 17th day of January, in the year above. By writ, &c.

JENKINS. 31st Jan. 1760.

745. A grant unto HENRY JENKINS of his new invented machine or regulator, intended for the better discovery of the longitude at sea ; to hold to him, his execrs, admrs, & assigns, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute ; with a clause to inroll the same within 4 kalendar months from the date hereof. Witness His Mãtie at Westmr, the 31st day of Jañry, in the year above. By writ, &c.

CALVERT. 21st Feb. 1760.

746. A grant unto EDWARD CALVERT, of Norton Falgate, in the county of Middx, druggist, of his new invented cordial, called the violet cordial ; to hold to him, his execrs, admrs, & assigns within England, Wales, & town of Berwick-upon-Tweed, and His Mãtie's colonies & plantacons abroad, for the term of 14 years pursuant to the statute ; with a clause to inroll the same within three kalendar months from the date hereof. Witness His Mãtie at Westmr, the 21st day of Febry, in the year above. By writ, &c.

PERKINS. 4th March 1760.

747. A grant unto THOMAS PERKINS, of the parish of St Paul, Shadwell, in the county of Middx, engineer, of his new invented geometrical scale beam engine ; to hold to him, his execrs, admrs, & assigns, within England, Wales, & town of Berwick-upon-Tweed, and His Mãtie's colonies & plantacons abroad, for the term of 14 years pursuant to the statute ; with a clause to inroll the same within three kalendar months from the date hereof. Witness His Mãtie at Westmr, the 4th day of March, in the year above. By writ, &c.

PIKE. 26th March 1760.

748. A grant unto ANN PIKE, wife of Thomas Pike, of Peckham, in the county of Surry, yeoman, of her new invented ointment, which is a grand antidote for the itch and all scorbutic humours ; to hold to her, her execrs, admrs, & assigns, within England, Wales, & town of Berwick-upon-Tweed, and his Mãtie's colonies & plantacons in America, for the term of 14 years pursuant to the statute ; with a clause to inroll the same within 4 kalendar months from the date hereof. Witness His Mãtie at Westmr, the 26th day of March, in the year above. By writ, &c.

JACKSON. 26th March 1760.

749. A grant unto HUMPHRY JACKSON, of East Smithfield, in the parish of St Botolph without Aldgate, in the county of Middx, chemist, of his new invencon of making a particular sort of isinglass from British materials, with which finings are made ; to hold to him, his execrs, admrs, & assigns, as next above. Witness His Mãtie at Westmr, as next above. By writ, &c.

KNIGHT. 14th May 1760.

750. A grant unto GOWIN KNIGHT, of the British Museum, doctor of physick, of his new invented machine window blind ; to hold to him, his execrs, admrs, & assigns, within England, Wales, & town of Berwick-upon-Tweed, and His Mãtie's plantacons & colonies abroad, for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within 4 kalendar months from the date hereof. Witness His Mãtie at Westmr, the 14th day of May, in the year above. By writ, &.

WYATT. WYATT. 14th May 1760.

751. A grant unto JOB WYATT, of Tatenhill, and WILLIAM WYATT, of Burton-upon-Trent, both in the county of Stafford, of their new invented method of cutting screws of iron, comonly called wood screws ; to hold to them, their execrs, admrs, and assigns, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute ; with a clause to inroll the same within 4 kalendar months from the date hereof. Witness His Mãtie at Westmr, the day & year next above. By writ, &c.

WINTER.
DOLLOND.
SCATLIFF.
GREGORY.
2nd October 1760.

752. A grant unto THOMAS WINTER the elder, of Liverpool, in the county of Lancaster, mariner, JOHN DOLLOND, of the Strand, in the county of Middx, optician, DANIEL SCATLIFF, in the parish of S^{t} John, Wapping, in the said county, ship chandler, & HENRY GREGORY, of the city of London, mathematical instrument maker, of their new invented quadrant for taking observacons at sea ; to hold to them, their exec^{rs}, adm^{rs}, & assigns, within England, Wales, & town of Berwick-upon-Tweed, and also in His Mãtie's plantacons & colonies abroad, for the term of 14 years pursuant to the statute ; with a clause to inroll the same within 4 kalendar months from the date hereof. Witness His Mãtie at Westm^{r}, the 2nd day of October, in the year above. By writ, &c.

STELL.
22nd Oct. 1760.

753. A grant unto JOSEPH STELL, of Keighley, in the county of York, merchant, of his new invented method of weaving figured & flowered silk ribbands & other sorts of figured & flowered goods ; to hold to him, his exec^{rs}, adm^{rs}, & assigns, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute ; with a clause to inroll the same within 4 kalendar months from the date hereof. Witness His Mãtie at Westm^{r}, the 22nd day of October, in the year above. By writ, &c.

PRICE.
27th Nov. 1760.

754. A grant unto BENJAMIN PRICE, of the parish of S^{t} John, Wapping, in the county of Middx, gen^{t}, of his new invented method of making salt from salt water, salt spring, & rock salt ; to hold to him, his exec^{rs}, adm^{rs}, & assigns, within England, Wales, & town of Berwick-upon Tweed, and His Mãtie's colonies & plantacons abroad, for the term of 14 years pursuant to the statute ; with a clause to inroll the same within 4 kalendar months from the date hereof. Witness His Mãtie at Westm^{r}, the 27th day of Nov^{r}, in the year above. By writ, &c.

DE LINIERE.
27th Nov. 1760.

755. A grant unto FRANCIS XAVIER DE ARLES DE LINIERE, of Suffolk Street, in the parish of S^{t} Martin-in-the-Fields, in the liberty of Westm^{r} & county of Middx, esq^{re}, of his new invented pump of a new construccon, which with less force yields a much greater quantity of water than any other pump now in use ; to hold to him, his exec^{rs}, adm^{rs}, & assigns, within England, Wales, & town of Berwick-upon-Tweed, and His Mãtie's plantacons & colonies abroad, for the term of 14 years pursuant to the statute ; with a clause to inroll the same within 4 kalendar months from the date hereof. Witness His Mãtie at Westm^{r}, the 27th day of Nov^{r}, in the year above. By writ, &c.

DE LINIERE.
27th Nov. 1760

756. A like grant to the person next above named ; with the several clauses above menconed. Witness His Mãtie at Westm^{r}, the day & year next above. By writ, &c.

WRIGHT.
11th Dec. 1760.

757. A grant unto HENRY WRIGHT, of the parish of S^{t} Michael's, in the city of London, chymist, of his new invented medicine, which he calls caryophilious regius or royal clove drops ; to hold to him, his exec^{rs}, adm^{rs}, & assigns, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute ; with a clause to inroll the same within 4 kalendar months from the date hereof. Witness His Mãtie at Westm^{r}, the 11th day of Dec^{r}, in the year above. By writ, &c.

HAYTER.
5th Feb. 1761.

758. A grant unto WILLIAM HAYTER, of Hatton Garden, in the county of Middx, leather seller, of his new invented composition & peculiar method for staining of leather ; to hold to him, his exec^{rs}, adm^{rs}, & assigns, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute ; with a clause to inroll the same within 4 kalendar months from the date hereof. Witness His Mãtie at Westm^{r}, the 5th day of Febry, in the year above. By writ, &c.

WOOD.
5th Feb. 1761.

759. A grant unto JOHN WOOD, of Wednesbury, in the county of Stafford, iron master, of his new invented way of making maleable iron from pig or sow metal; to hold to him, his execrs, admors, & assigns, within England, Wales, & town of Berwick-upon-Tweed, and also in His Mãtie's plantacons & colonies abroad, for the term of 14 years pursuant to the statute; with a clause to inroll the same within 4 kalendar months from the date hereof. Witness His Mãtie at Westmr, the day & year next above.

By writ, &c.

MACKAY.
GREENALL.
6th Feb. 1761.

760. A graunt unto JOHN MACKAY, of the parish of St Andrew Holborn, in the county of Middx, esqr, & JONATHAN GREENALL, of Parr, in the county of Lancaster, engineer, of their new invented method of making & manufacturing of salt; to hold to them, their execrs, admrs, & assigns, within England, Wales, & town of Berwick-upon-Tweed, and also in His Mãtie's plantacons & colonies in America, for the term of 14 years pursuant to the statute; with a clause to inroll the same within 4 kalendar months from the date hereof. Witness His Mãtie at Westmr, the 6th day of February, in the year above.

By writ, &c.

GREENALL.
6th Feb. 1761.

761. A grant unto JONATHAN GREENALL, of Parr, in the county of Lancaster, of his new invented fire engine for draining of mines, coal pitts, and lands from water; to hold to him, his execrs, admrs, & assigns, within England, Wales, & town of Berwick-upon-Tweed, and also in His Mãtie's plantacons & colonies in America, for the term of 14 years pursuant to the statute; with a clause to inroll the same within 4 kalendar months from the date hereof. Witness His Mãtie at Westmr, the day & year next above.

By writ, &c.

MEINZIES.
20th May 1761.

762. A grant unto MICHAEL MEINZIES, esqre, of the city of Edinburgh, advocate, of his new invented cheap method of working mines of coals & metals; to hold to him, his exors, admrs, & assigns, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within 4 kalendar months from the date hereof. Witness His Mãtie at Westmr, the day & year next above.

By writ, &c.

SANDERSON.
25th June 1761.

763. A grant unto GEORGE SANDERSON, of the city of Exeter, in the county of Devon, watchmaker, of his new invented various sorts of tools & engines for preparing, stamping, fixing, turning, cutting, & finishing divers parts of or belonging to a watch; to hold to him, his execrs, admrs, & assigns, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within 4 kalendar months from the date hereof. Witness His Mãtie at Westmr, the day & year next above.

By writ, &c.

DUNDAS.
3rd August 1761.

764. A grant unto GEORGE DUNDAS, of Banbury, in the county of Oxford, whip maker, of his new invented engine or machine for platting or weaving of whips by a method entirely new; to hold to him, his execrs, admrs, & assigns, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within 4 kalendar months from the date hereof. Witness His Mãtie at Westmr, the 3rd day of August, in the year above.

By writ, &c.

REMNANT.
5th August 1761.

765. A grant unto STEPHEN REMNANT, of Woolwich, in the county of Kent, esqr, & master smith to His Mãtie's Office of Ordnance, for the sole use of his new invented gun carriages of cast iron of an entire new construccon; to hold to him, his execrs, admrs, & assigns, within England, Wales, & town

of Berwick-upon-Tweed, and within all His Mãtie's colonys & plantaĉons in America, for the term of 14 years pursuant to the statute; with a clause to inroll the same within 4 kalendar months from the date hereof. Witness His Mãtie at Westminster, the 5th day of August, in the year above.
By writ, &c.

JACKSON.
1st Sept. 1761.

766. A grant unto THOMAS JACKSON, of the city of London, chymist, of his new invented specific, called the imperial lotion; to hold to him, his execrs, admrs, & assigns, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within 4 kalendar months from the date hereof. Witness His Mãtie at Westmr, the 1st day of September, in the year above. By writ, &c.

WHITE.
25th Jan. 1762.

767. A grant unto WILLIAM WHITE, of Fulham, in the county of Middx, potter, of his new invented white crucibles for melting metals & salts, therein more particularly described; to hold to him, his execrs, admrs, and assigns, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within 4 kalendar months from the date hereof. Witness His Mãtie at Westmr, the 25th day of Jany, in the year above. By writ, &c.

TREDWELL.
10th Feb. 1762.

768. A grant unto RICHARD TREDWELL, of the parish of St Giles-in-the-Fields, in the county of Middx, smith, of his new invented iron machine for moulding & setting all kinds of springs, for hanging of coaches & other carriages; to hold to him, his execrs, admrs, & assigns, within England, Wales, & town of Berwick-upon-Tweed, for the term of 14 years pursuant to the statute; with a clause to inroll the same within four kalendar months from the date hereof. Witness His Mãtie at Westmr, the 10th day of Febry, in the year above. By writ, &c.

TREDWELL.
OVERTON.
10th Feb. 1762.

769. A grant unto RICHARD TREDWELL, of the parish of St Giles-in-the-Fields, in the county of Middx, coach spring maker, & THOMAS OVERTON, of Hart Street, Bloomsbury, in the said county, ironmonger, of their new invented spring for hanging coaches and other carriages; to hold to them, their execrs, admrs, and assigns, within England, Wales, & town of Berwick-upon-Tweed, and also in His Mãtie's plantaĉon & colonies abroad, for the term of 14 years pursuant to the statute; with a clause to inroll the same within 4 kalendar months from the date hereof. Witness His Mãtie, &c, as next above. By writ, &c.

HOUSEMAN.
10th March 1762.

770. A grant unto HENRY HOUSEMAN, of the city of London, merchant, of his new invented method of gilding, colouring, & marbling of paper; to hold to him, his execrs, admrs, & assigns, within England, Wales, & town of Berwick-upon-Tweed, and His Mãtie's plantaĉons & colonys abroad, for the term of 14 years pursuant to the statute; with a clause to inroll the same within 4 kalendar months from the date hereof. Witness His Mãtie at Westmr, the 10th day of March, in the year above. By writ, &c.

MARIE.
20th April 1762.

771. A grant unto DAVID MARIE, of St Martin-in-the-Fields, in the county of Middx, watchmaker, of his new invented construĉcon or method for making of watches; to hold to him, his execrs, admrs, & assigns, within England, Wales, & town of Berwick-upon-Tweed, and also in His Mãtie's colonys & plantaĉons abroad, for the term of 14 years pursuant to the statute; with a clause to inroll the same within 4 kalendar months from the date hereof. Witness His Mãtie at Westmr, the 20th day of April, in the year above.
By writ, &c.

GLASGOW. 21st May 1762.

772. A grant unto GEORGE GLASGOW, of Manchester, in the county palatine of Lancaster, chapman, of his new invented method of weaving cloth in imitation of women's stitched stays, either of linnen, thread, silk, or worsted; to hold to him, his execrs, admrs, & assigns, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within 4 kalendar months from the date hereof. Witness His Mãtie at Westmr, the 21st day of May, in the year above. By writ, &c.

LOBB. 21st May 1762.

773. A grant unto THEOPHILUS LOBB, doctor of physick, of his new invented tincture to preserve the blood from siziness and a saline, scorbutic acrimony; to hold to him, his execrs & assigns, within England, Wales, & town of Berwick-upon-Tweed, as next above. Witness His Mãtie at Westmr, the day and year next above. By writ, &c.

SWAIN. 21st May 1762.

774. A grant unto SAMPSON SWAIN, of Cambron, in the county of Cornwall, gent., of his new invented machine furnace and fire engine, capable of smelting & refining several sorts of metals, & other purposes therein menc̃oned; to hold to him, his execrs, admrs, & assigns, within England, Wales, & town of Berwick-upon-Tweed, and also in His Mãtie's plantac̃ons & colonies abroad, as next above. Witness His Mãtie at Westmr, the day & year next above. By writ, &c.

WALKINSHAW. 21st May 1762.

775. A grant unto JOHN WALKINSHAW, of Borrowstounness, in the county of Linlithgow, in that part of His Mãtie's kingdom of Great Britain called Scotland, coal viewer, of his new invented engine for working of mines & coal pits, & for raising of water & other purposes therein menc̃oned; to hold to him, his execrs, admrs, & assigns, within England, Wales, & town of Berwick-upon-Tweed, and also in His Mãtie's plantac̃ons & colonies abroad, as next above. Witness His Mãtie at Westr, the day & year next above. By writ, &c.

EDGELL. 8th June 1762.

776. A grant unto JAMES EDGELL, of Froom Sellwood, in the county of Somerset, gent., of his new invented belt or girdle, called a shooting belt; to hold to him, his execrs, admrs, & assigns, within England, Wales, & town of Berwick-upon-Tweed, and all His Mãtie's colonies & plantac̃ons abroad, for the term of 14 years pursuant to the statute; with a clause to inroll the same within 4 kalendar months from the date hereof. Witness His Mãtie at Westmr, the 8th day of June, in the year above. By writ, &c.

SANDERSON. 25th June 1762.

777. A grant unto GEORGE SANDERSON, of the city of Exeter, watchmaker, of his new invented machine called a lunar & kalendar watch key; to hold to him, his execrs, admrs, & assigns, within England, Wales, & town of Berwick-upon-Tweed, and also in His Mãtie's colonies & plantac̃ons abroad, for the term of 14 years pursuant to the statute; with a clause to inroll the same within 4 kalendar months from the date hereof. Witness His Mãtie at Westmr, the 25th day of June, in the year above. By writ, &c.

WOOD. 6th July 1762.

778. A grant unto JOHN WOOD, of Bireley, in the county of York, smith, of his new invented method of warming beds by a warming pan or engine without fire; to hold to him, his execrs, admrs, & assigns, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within 4 kalendar months from the date hereof. Witness His Mãtie at Westmr, the 6th day of July, in the year above. By writ, &c.

RYAN.
20th Aug. 1762.

779. A grant unto JOHN RYAN, of the parish of S^t Andrew, Holborn, in the city of London, physician, of his new invented medicine, which he calls compound solution or essence of minerals, or Doctor Ryan's white drops; to hold to him, his exec^rs, adm^rs, & assigns, within England, Wales, & town of Berwick-upon-Tweed, and also in His Mãtie's colonies & plantacons in America, for the term of 14 years pursuant to the statute; with a clause to inroll the same within 4 months from the date hereof. Witness His Mãtie at Westm^r, the 20^th day of August in the year above.
By writ, &c.

ROEBUCK.
25th Oct. 1762.

780. A grant unto JOHN ROEBUCK, of Birmingham, in the county of Warwick, doctor of physick, of his new invented way of making maleable iron from pig or sow metal; to hold to him, his exec^rs, adm^rs, & assigns, within England, Wales, & town of Berwick-upon-Tweed, and also in His Mãtie's plantacons & colonies abroad, for the term of 14 years pursuant to the statute; with a clause to inroll the same within 4 kalendar months from the date hereof. Witness His Mãtie at Westm^r, the 25^th day of Oct^r, in the year above.
By writ, &c.

JUNIPER.
11th Nov. 1762.

781. A grant unto JOHN JUNIPER, of the parish of S^t Ann, Soho, in the liberty of Westm^r, chymist & apothecary, of his new invented medicine, called essence of peppermint; to hold to him, his exec^rs, adm^rs, & assigns, within England, Wales, & town of Berwick-upon-Tweed, and also in His Mãtie's colonies & plantacons abroad, for the term of 14 years pursuant to the statute; with a clause to inroll the same within 4 kalendar months from the date hereof. Witness His Mãtie at Westm^r, the day & year next above.
By writ, &c.

TAYLOR.
6th Dec. 1762.

782. A grant unto ELIZABETH TAYLOR, of the town of Southton, widow, of her new invented set of engines, tools, instruments, & other apparatus for the making of blocks, sheavers, & pins; to hold to her, her exec^rs, adm^rs, & assignes, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within 4 kalendar months from the date hereof. Witness His Mãtie, &c, as next above.
By writ, &c.

KNIGHT.
13th Dec. 1762.

783. A grant unto JAMES KNIGHT, of Brindgwood, in the county of Hereford, esq^re, of his new invented method of making & drawing iron & other metals by a new kind of wood bellows; to hold to him, his exec^rs, adm^rs, & assigns, within England, Wales, & town of Berwick-upon-Tweed, and also in His Mãtie's colonies & plantacons abroad, for the term of 14 years pursuant to the statute; with a clause to inroll the same within 4 kalendar months from the date hereof. Witness His Mãtie at Westm^r, the 13^th day of Dec^r, in the year above.
By writ, &c.

DAVY.
21st Jan. 1763.

784. A grant unto GEORGE DAVY the younger, of the parish of White Chappel, London, of his new invented method of making orchell from rock or stone moss; to hold to him, his exec^rs, adm^rs, & assigns, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within 4 kalendar months from the date hereof. Witness His Mãtie at Westm^r, the 21^st day of Jan^ry, in the year above.
By writ, &c.

BURNE.
3rd March 1763.

785. A grant unto CHARLES BURNE, of Sunderland, in the county of Durham, coal fitter, of his new invented keels or vessels depending partly upon each other, by which ballast may be taken out of ships, sand beds out of rivers, & other purposes therein menconed; to hold to him, his exec^rs,

admrs, & assigns, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within 4 kalendar months from the date hereof. Witness His Mãtie at Westmr, the 3rd day of March, the year above. By writt, &c.

Elsden. Glasgow. 9th March 1763.

786. A grant unto Robert Elsden, of St Luke, Old Street, in the city of London, weaver, & George Glasgow, of the town of Manchester, weaver, of their new invented method of weaving & quilting in the loom cloth of linnen, woollen, silk, worsted, cotton, & mohair, either separately, or mixt, or joined together; to hold to them, their execrs, admrs, and assigns, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within 4 kalendar months from the date hereof. Witness His Mãtie at Westmr, the 9th day of March, in the year above. By writ, &c.

Smith. 15th March 1763.

787. A grant unto Nathan Smith, of Fenchurch Street, in the city of London, painter stainer, of his new invented composicon to be used as the groundwork in making painted floor cloths, and hath likewise invented a certain mill, engine, or machine to be used in applying such composicon; to hold to him, his execrs, admrs, & assigns, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within 4 kalendar months from the date hereof. Witness His Mãtie at Westmr, the 15th day of March, in the year above. By writ, &c.

Elmsley. 1st April 1763.

788. A grant unto Samuel Elmsley, of Wakefield, in the county of York, woollen draper, of his new invented preparacon called water proof, to prevent rain water from penetrating woollen cloths & hatts; to hold to him, his execrs, admrs, & assigns, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within 4 kalendar months from the date hereof. Witness His Mãtie at Westmr, the 1st day of April in the year above. By writ, &c.

Lord. 11th April 1763.

789. A grant unto Robert Lord, of Nether Knutsford, in the county palatine of Chester, gent., of his new invented machines for the forming & repairing of roads, which he calls Tectonodes; to hold to him, his execrs, admrs, & assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within 4 kalendar months from the date hereof. Witness His Mãtie at Westmr, the 11th day of April in the year above. By writ, &c.

Keen. Schmidt. 16th June 1763.

790. A grant unto Benjamin Keen and Carl Friedrick Schmidt, of the parish of Lambeth, in the county of Surry, colour makers, of their new invented composition & varnish, made with oils & other things, for staining, printing, painting, & laying gold, silver, or metall, on woollens, worsteds, & goods mixed with wool for wearing apparel or furniture; to hold to them, their execrs, admrs, & assigns, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within 4 kalendar months from the date hereof. Witness His Mãtie at Westmr, the 16th day of June in the year above. By writ, &c.

Fordyce. 29th July 1763.

791. A grant unto William Fordyce, of the parish of St James, Westmr, in the county of Middx, surgeon, of his new invented medicinal composicon, called the stomach pill; to hold to him, his execrs, admrs, & assigns, within England, Wales, & town of Berwick-upon-Tweed, and His Mãtie's plantacons & colonys abroad for the term of 14 years pursuant to the statute; with a clause to inroll the same within 4 kalendar months from the date hereof. Witness His Mãtie at Westmr as next above. By writ, &c.

TREDWELL. 29th July 1763.

792. A grant unto RICHARD TREDWELL, of Rotherham, in the county of York, spring maker, of his new invented method of making springs for hanging of coaches & all other kinds of carriages ; to hold to him, his execrs, admrs, & assigns, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute ; with a clause to inroll the same within 4 kalendar months from the date hereof. Witness His Mãtie at Westmr, the 29th day of July, in the year above. By writ, &c.

COCKBURNE. 29th July 1763.

793. A grant unto ALEXANDER COCKBURNE, of the borough of Berwick-upon-Tweed, fishmonger & curer of salmon for the London market, of his new invented composicon & method for curing salmon with spices ; to hold to him, his execrs, admrs, & assigns, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute ; with a clause to inroll the same within 4 kalendar months from the date hereof. Witness His Mãtie at Westmr, as next above. By writ, &c.

WOOD. WOOD. 29th July 1763.

794. A grant unto JOHN WOOD, of Wednesbury, in the county of Stafford, & CHARLES WOOD, of Lowmill near Whitehaven, in the county of Cumberland, ironmasters, of their new invented method of making all kind of fused or cast iron, as also scull or cinder iron, maleable with raw pitt coal ; to hold to them, their execrs, admrs, & assigns, within England, Wales, & town of Berwick-upon-Tweed, and His Mãtie's colonys & plantacons abroad, for the term of 14 years pursuant to the statute ; with a clause to inroll the same within 4 kalendar months from the date hereof. Witness His Mãtie at Westmr, as next above. By writ, &c.

OXLEY. 29th July 1763.

795. A grant unto JOSEPH OXLEY, of Russel Factory, in the county of Northumberland, miller, of his new invented machine for drawing coals out of coal pitts & other purposes by the help of a fire engine ; to hold to him, his execrs, admrs, & assigns, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute ; with a clause to inroll the same within 4 kalendar months from the date hereof. Witness His Mãtie at Westmr, as next above. By writ, &c.

GREEN. 29th July 1763.

796. A grant unto JOHN GREEN, of St Martin's Court, London, watch maker, of his new invented machine, called a fire alarm ; to hold to him, his execrs, admrs, & assigns, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute ; with a clause to inroll the same within four kalendar months from the date hereof. Witness His Mãtie at Westmr, the 29th day of July, in the year above. By writ, &c.

ERSKINE. 27th Sept. 1763.

797. A grant unto ROBERT ERSKINE, of the city of London, merchant, of his new invented engine for raising water ; to hold to him, his exors, admors, and assigns, within England, Wales, and town of Berwick-upon-Tweed, and His Mãtie's colonies and plantations abroad, for the term of 14 years pursuant to the statute ; with a clause to enroll the same within 4 kalendar months from the date hereof. Witness His Mãtie at Westm, 27 day of Sept., in the year above.

BILL. 3rd Nov. 1763.

798. A grant unto WILLIAM BILL, of the city of London, of his new invented machine to make chocolate ; to hold to him, his execrs, admrs, & assigns, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute ; with a clause to inroll the same within four kalendar months from the date hereof. Witness His Mãtie at Westmr, the 3rd day of November, in the year above. By writ, &c.

THORPE. 3rd Nov. 1763.

799. A grant unto PEGRUM THORPE of his new invented machine for making sashes with plate iron; to hold to him, his execrs, admrs, & assigns, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within four kalendar months from the date hereof. Witness His Mãtie at Westmr, the day & year next above. By writ, &c.

YATES. 10th Nov. 1763.

800. A grant unto GEORGE YATES, of the parish of St George the Martyr, in the county of Middx, esqr, of his new invented machine, which being placed upon a stove or in a chimney will effectually prevent such chimneys smoaking; to hold to him, his execrs, admrs, & assigns, within England, Wales, & town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within 4 kalendar months from the date hereof. Witness His Mãtie at Westmr, the 10th day of Novr, in the year above. By writ, &c.

O'KEEFFE. 2nd Dec. 1763.

801. A grant unto OWEN O'KEEFFE, of Long Acre, coachmaker, of his new invented axletree, & box for the same to run into, and be used for coaches, chariots, & all other carriages, so contrived as constantly to supply itself with oil without taking of the wheels; to hold to him, his execrs, admrs, & assigns, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within 4 kalendar months from the date hereof. Witness His Mãtie at Westmr, the 2nd day of Decr, in the year above. By writ, &c.

MANLOVE. 7th Dec. 1763.

802. A grant unto THOMAS MANLOVE, of Rotterdam, merchant, of his new invented art of making tarrass; to hold to him, his execrs, admrs, & assigns, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within 4 kalendar months from the date hereof. Witness His Mãtie at Westmr, the 7th day of Decr, in the year above. By writ, &.

GOULDER. 15th Dec. 1763.

803. A grant unto STEPHEN GOULDER, of the parish of St. Ann, Limehouse, in the county of Middx, sail cloth weaver, of his new invented composition in making or manufacturing canvas for sail cloth, which will prevent the same from mildewing; to hold to him, his execrs, admrs, & assigns, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within 4 kalendar months from the date hereof. Witness His Mãtie at Westmr, the day & year next above. By writ, &c.

CHRISTIAN. BROWNE. 18th Jan. 1764.

804. A grant unto JOHN TEMPEST CHRISTIAN, of Smarden, in the county of Kent, genr, & PETER BROWNE, of the parish of St Mary-le-Bow, in the city of London, painter, of the sole vending & painting of silks & sattens in oil colours; to hold to them, their execrs, admrs, & assigns, within England, Wales, & town of Berwick-upon-Tweed, and His Mãtie's colonies & plantacons abroad, for the term of 14 years pursuant to the statute; with a clause to inroll the same within 4 kalendar months from the date hereof. Witness His Mãtie at Westmr, the 18th day of January, in the year above. By writ, &c.

WEBB. 8th March 1764.

805. A grant unto JOHN WEBB, of the Steel Yard, in the parish of Allhallows the Great, in the city of London, merchant, of his new invented expedicon crane for landing and shipping goods & merchandize, & other usefull purposes; to hold to him, his execrs, admrs, & assigns, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute;

with a clause to inroll the same within 4 kalendar months from the date hereof. Witness His Mãtie at Westmr, the 8th day of March, in the year above. By writ, &c.

Thornhill. 15th March 1764.

806. A grant unto Joseph Thornhill, of Fenchurch Street, in the parish of St Catherine Coleman, in the city of London, mariner, of his new invented horizontal wheel, which, when properly fixed, never needs moving or shifting; to hold to him, his execrs, admrs, & assigns, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within 4 kalendar months from the date hereof. Witness His Mãtie at Westmr, the 15th day of March, in the year above. By writ, &c.

Morris. Morris. Betts. Betts. 28th March 1764.

807. A grant unto Thomas Morris and John Morris, both of the town of Nottingham, hosiers, and John and William Betts, of Mansfield, in the county of Nottingham, of their new invented engine or machine, which is to be fixed to a stocking frame, for making of oilett holes or network in silk, thread, cotton, or worsted, as mitts, gloves, hoods, aprons, handkerchiefs, & other goods usually manufactured upon stocking frames; to hold to them, their execrs, admrs, & assigns, within England, Wales, & town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within 4 kalendar months from the date hereof. Witness His Mãtie at Westmr, the 28th day of March, in the year above. By writ, &c.

Cobb. 31st March 1764.

808. A grant unto William Cobb, of the parish of St Martin-in-the-Fields, in the county of Middx, cordwainer, of his new invented method of making an air jacket, with proper shoes, to prevent the fatal consequences attending sailors & others in shipwreck; to hold to him, his execrs, admors, & assigns, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within 4 kalendar months from the date hereof. Witness His Mãtie at Westmr, the 31st day of March, in the year above. By writ, &c.

Cummings. 31st March 1764.

809. A grant unto George Cummings, of Ludgate Street, in the city of London, toyman, of his new invented composition to put on all sorts of skins, paper, or linnen for drawing or writing on with pen & ink or pencil, & rubbing clean of again, & other purposes therein menc̃oned; to hold to him, his execrs, admrs, & assigns, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within 4 kalendar months from the date hereof. Witness His Mãtie at Westmr, the 31st day of March, in the year above. By writ, &c.

Fryer. Greenough. Newbery. 10th April 1764.

810. A grant unto Thomas Fryer, of Bishopsgate Street, London, linnen draper, Thomas Greenough, of Ludgate Street, London, apothecary, & John Newbery, of St Paul's Churchyard, London, bookseller, of their new invented machine for printing, staining, & colouring of silks, stuffs, linnens, cottons, leather, & paper; to hold to them, their execrs, admrs, & assigns, within England, Wales, & town of Berwick-upon-Tweed, and also in His Mãtie's colonies & plantac̃ons abroad, for the term of 14 years pursuant to the statute; with a clause to inroll the same within 4 kalendar months from the date hereof. Witness His Mãtie at Westmr, the 10th day of April, in the year above. By writ, &c.

O'Keeffe. 16th April 1764.

811. A grant unto Owen O'Keeffe, of Long Acre, in the parish of St Martins-in-the-Fields, in the county of Middx, coachmaker, of his new

invented carrige for hanging coaches, chariots, chaises, & all kinds of bodys upon a new principle, much easier to the rider & lighter for the horses, & far superior to these now used; to hold to him, his execrs, admrs, & assigns, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within 4 kalendar months from the date hereof. Witness His Mãtie at Westmr, the 16th day of April, in the year above. By writ, &c.

BAKER. 30th April 1764.

812. A grant unto JOHN BAKER, of Litton, in the county of Derby, gent., of his new invented art or method of making salt, of the like kind and quality in use and goodness as bay or white salt usually imported from France or Spain; to hold to him, his execrs, admrs, & assigns, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within 4 kalendar months from the date hereof. Witness His Mãtie at Westmr, the 30th day of April, in the year above. By writ, &c.

FOSTER. 25th May 1764.

813. A grant unto JOHN FOSTER, of Long Acre, in the liberty of Westm coachmaker, of his new invented inside seats to coaches, chariots, & al other kinds of carriages with braces & springs, much easier to the rider than any other heretofore made; to hold to him, his execrs, admrs, & assigns, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within 4 kalendar months from the date hereof. Witness His Mãtie at Westmr, the 25th day of May, in the year above. By writ, &c.

CRUMPLER. 18th June 1764.

814. A grant unto JOHN CRUMPLER, of Lawrence Lane, in the city of London, weaver, of his new invented & intire new method of weaving gold & silver wire & copper wire gilt, either with cotton, silk, thread, or yarn; to hold to him, his execrs, admrs, & assigns, within England, Wales, & town of Berwick-upon Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within 4 kalendar months from the date hereof. Witness His Mãtie at Westmr, as next above. By writ, &c.

DEER. 22nd Sept. 1764.

815. A grant unto EVAN DEER, of South Shields, in the county of Durham, gent., of his new invented discovery, that the refuse or wast used in making of allom, called allom slam, will answer the purpose that the sea weed called kelp does, which is an ingredient in fluxing & making of glass bottles and other green glass and soap; to hold to him, his execrs, admrs, & assigns, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within 4 kalendar months from the date hereof. Witness His Mãtie at Westmr, the 22nd day of September, in the year above. By writ, &c.

TREDWELL. 29th Oct. 1764.

816. A grant unto RICHARD TREDWELL, of Rotherham, in the county of York, coach spring maker, of his new invented springs for saddles, pillions, & their stirrups, whereby the shake or hard motion of a horse is taken away, and the rider sits much steadier & easier than upon those now used, & will also greatly ease the horse; to hold to him, his execrs, admrs, & assigns, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within 4 kalendar months from the date hereof. Witness His Mãtie at Westmr, the 29th day of October, in the year above. By writ, &c.

BREWER. 14th Nov. 1764.

817. A grant unto RICHARD BREWER, late of the city of Dublin & now of the city of London, gent., of his new invented quadrant of altitude,

applicable chiefly to the uses of navigation; to hold to him, his execrs, admrs, & assigns, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within 4 kalendar months from the date hereof. Witness His Mãtie at Westmr, the 14th day of Novr in the year above. By writ, &c.

WALKER. CARASS. 14th Nov. 1764.

818. A grant unto WILLIAM WALKER, of the parish of St James, Clerkenwell, in the county of Middx, engraver, & JOHN CARASS, of the parish of St Luke, in the said county, bridle cutter, of their new invented marine collar & belt; to hold to them, their execrs, admrs, & assigns, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within 4 calendar months from the date hereof. Witness His Mãtie at Westmr, the 14th day of Novr, in the year above. By writ, &c.

KEHLHOFF. 29th Nov. 1764.

819. A grant unto FRIEDERIECK KEHLHOFF, of the parish of St George the Martyr, in the county of Surry, watchmaker, of his new invented method of making watches, which is constructed on new principles & is of great benefit, & in many other respects far superior to those now used; to hold to him, his execrs, admrs, & assigns, within England, Wales, & town of Berwick-upon-Tweed, and also in His Mãtie's colonies and plantaẽons abroad, for the term of 14 years pursuant to the statute; with a clause to inroll the same within 4 kalendar months from the date hereof. Witness His Mãtie at Westmr, the 29th day of Novr, in the year above. By writ, &c.

NORTON. 30th Nov. 1764.

820. A grant unto JOHN NORTON, of the parish of St James, Westmr, in the county of Middx, surgeon, of his new invented medicine, which he hath stiled Maredant's drops; to hold to him, his execrs, admrs, & assigns, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within 4 kalendar months from the date hereof. Witness His Mãtie at Westmr, the 30th day of November, in the year above. By writ, &c.

SPACKMAN. WILLIAMSON. 5th Dec. 1764.

821. A grant unto JOSEPH SPACKMAN, of Fenchurch Street, in the city of London, pewterer, & JAMES WILLIAMSON, of the parish of St Andrew, Holborn, in the county of Middx, founder, of their new invented method of turning ovals in pewter, English china, & all other earthenwares; to hold to them, their execrs, admrs, & assigns, within England, Wales, & town of Berwick-upon-Tweed, and also in His Mãtie's plantaẽons abroad, for the term of 14 years pursuant to the statute; with a clause to inroll the same within 4 kalendar months from the date hereof. Witness His Mãtie at Westmr, the 5th day of December, in the year above. By writ, &c.

SCOTT. 23rd Jan. 1765.

822. A grant unto JOHN SCOTT, of the county of Edinburgh, in that part of the kingdom of Great Britain called Scotland, surveyor of land, of his new invented art & mystery of making glass from one single material; and also has found out & invented the art & mystery of making pig iron from one certain material never before used; to hold to him, his execrs, admrs, & assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within 4 kalendar months from the date hereof. Witness His Mãtie at Westmr, the 23rd day of January, in the year above. By writ, &c.

WILLIAMS. 29th January 1765.

823. A grant unto RICHARD WILLIAMS, of the parish of St Clements Danes, within the city & liberty of Westmr, in the county of Middx, gent., of his new invented method of making a fine, thin, & light cloath of silk & wool,

with the same appearance of superfine Spanish cloath & superfine Irish ratteen; to hold to him, his execrs, admrs, & assigns, within England, Wales, & town of Berwick-upon-Tweed, and also in His Mãtie's colonies & plantacons abroad, for the term of 14 years pursuant to the statute; with a clause to inroll the same within 4 kalendar months from the date hereof. Witness His Mãtie at Westmr, the 29th day of January, in the year above.

By writ, &c.

WILKINSON. 7th Feb. 1765.

824. A grant unto JOHN WILKINSON, of the parish of St James, Westmr, in the county of Middx, doctor in physick, of his new invented medicated baths, to be constructed on frames for floating on the River Thames or elsewhere, together with floats made of cork in form of seamen's waistcoates, to be used to prevent drowning; to hold to him, his execrs, admrs, & assigns, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within 4 kalendar months from the date hereof. Witness His Mãtie at Westmr, the 7th day of February, in the year above. By writ, &c.

PYEFINCH. DE MAGALHEANS. 28th March 1765.

825. A grant unto HENRY PYEFINCH, of Cornhill, in the city of London, optician, & JOHN HYACINTH DE MAGALHEANS, of the same place, gent., of their new constructed instrument by which is shewn the true effect of the weight of the atmosphere, with the variation which is caused by the heat & cold, & likewise the quantity of that variation; to hold to them, their execrs, admrs, & assigns, within England, Wales, & town of Berwick-upon-Tweed, and also His Mãtie's plantacons abroad, for the term of 14 years; with a clause to inroll the same within 4 kalendar months from the date hereof. Witness His Mãtie at Westmr, the 28th day of March, in the year above.

By writ, &c.

BUZAGLO. 25th April 1765.

826. A grant unto ABRAHAM BUZAGLO, of the city of London, gent., of his new invented machine for warming rooms of all sizes with a coal fire, and from which every part of the room will receive an equal heat without the least stench or offensive smell; to hold to him, his execrs, admrs, & assigns, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within 4 kalendar months from the date hereof. Witness His Mãtie at Westmr, the 25th day of April, in the year above. By writ, &c.

MILNE. 10th May 1765.

827. A grant unto JOHN MILNE, of Manchester, in the county of Lancaster, wire worker, of his new invented machine or wire cillander for dressing flour from wheat, barley, & other grain; to hold to him, his execrs, admrs, & assigns, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within 4 kalendar months from the date hereof. Witness His Mãtie at Westmr, the 10th day of May, in the year above. By writ, &c.

COLLETT. 5th June 1765.

828. A grant unto JOSEPH COLLETT, of the Strand, in the liberty of Westmr and county of Middx, practitioner in physick, of his new invented method of making catheters & bougies of a particular sort of fine leather, which prove to be of the greatest service in curing the stone in the bladder; to hold to him, his execrs, admrs, & assigns, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within three kalendar months from the date hereof. Witness His Mãtie at Westmr, the 5th day of June, in the year above. By writ, &c.

PICKERING.
12th June 1765.

829. A grant unto GEORGE PICKERING, of Busy Cottage, near the town and county of Newcastle-upon-Tyne, whitesmith, of his new invented method of making & compleating an iron screw for raising & lifting up timber, & other purposes therein menc̃oned; to hold to him, his execrs, admrs, & assigns, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within 4 kalendar months from the date hereof. Witness His Mãtie at Westmr, the 12th day of June, in the year above. By writ, &c.

TAYLOR.
JONES.
15th June 1765.

830. A grant unto WILLIAM TAYLOR, of the town & county of Nottingham, frame smith, & FRANCIS JONES, of the same place, hosier, of their new invented knitting machine for making & knitting of stockings, stocking pieces, & other goods usually manufactured upon stocking frames; to hold to them, their execrs, admrs, & assigns, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within 4 kalendar months from the date hereof. Witness His Mãtie at Westmr, the 15th day of June, in the year above. By writ, &c.

HOLME.
CROPPER.
NICHOLSON.
NICHOLSON.
18th June 1765.

831. A grant unto PETER HOLME, EDWARD CROPPER, JAMES NICHOLSON, and ROBERT NICHOLSON, all of Liverpool, in the county of Lancaster, merchants, of their new invented method of making large quantities of allum from liquor made from copperas materials & uncalcined ore, equal in goodness to the best English allum; to hold to them, their ex̃ors, adm̃ors, & assigns, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within 4 kalendar months from the date hereof. Witness His Mãtie at Westmr, the 18th day of June in the year above. By writ, &c.

LAWRENCE.
TIMMINGS.
28th June 1765.

832. A grant unto THOMAS LAWRENCE, of Ludgate Street, London, woollen draper, and JOHN TIMMINGS, of Bread Street, London, weaver, of their new invented species of goods for lining of gentlemen's cloaths & other uses, being composed of a mixture of silk & worsted, and called by them soyelainet; to hold to them, their execrs, admrs, & assigns, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within 3 kalendar months from the date hereof. Witness His Mãtie at Westmr, the 28th day of June, in the year above. By writ, &c.

FENN.
15th July 1765.

833. A grant unto ISAAC FENN, of Swallow Street, near Hanover Square, in the county of Middx, of his new invented kind of perambulator or measuring wheel, so portable as to be confined in a walking cane of five feet, & is nevertheless so exact in its descripc̃ons of poles, furlongs, & miles, by means of three separate hands to denote the same, and has been highly approved by several of the most able surveyors of this kingdom; to hold to him, his execrs, admrs, & assigns, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within 4 kalendar months from the date hereof. Witness His Mãtie at Westmr, the 15th day of July, in the year above. By writ, &c.

WARK.
27th July 1765.

834. A grant unto the Reverend DAVID WARK, of Haddington, in the county of East Lothian, North Britain, Doctor of Divinity, of his new invented composition or stone paste, made with oils & various other things, for covering of walls, roofs, & dooms, & divers other purposes therein menc̃oned; to hold to him, his execrs, admrs, & assigns, within England, Wales, & town of Berwick-upon-Tweed, and in all His Mãtie's colonies &

plantaĉons abroad for the term of 14 years pursuant to the statute; with a clause to inroll the same within 4 kalendar months from the date hereof. Witness His Mãtie at Westmr, the 27th day of July, in the year above.
By writ, &c.

WILLIAMS. 3rd Dec. 1765.

835. A grant unto THOMAS WILLIAMS, of Broad Street, in the parish of St James, within the liberty of Westmr, in the county of Middx, apothecary, of his new invented medicine, called essence of flowers of benzion or pulmonic drops; to hold to him, his execrs, admrs, & assigns, within England, Wales, & town of Berwick-upon-Tweed, and His Mãtie's plantaĉons & colonies abroad, for the term of 14 years pursuant to the statute; with a clause to inroll the same within four kalendar months from the date hereof. Witness His Mãtie, as next above. By writ, &c.

HAYWOOD. 7th January 1766.

836. A grant unto JOHN HAYWOOD, of Crediton, in the county of Devon, watchmaker, of his new invented ring, which he calls a lunar or callendar ring; to hold to him, his execrs, admrs, & assigns, within England, Wales, & town of Berwick-upon-Tweed, and His Mãtie's colonies & plantaĉons abroad, for the term of 14 years pursuant to the statute; with a clause to inroll the same within 4 kalendar months from the date hereof. Witness His Mãtie at Westmr, the 7th day of January, in the year above. By writ, &c.

BOWDEN. 13th January 1766.

837. A grant unto CHARLES DOUGLAS BOWDEN, of Marygold Stairs, in the county of Surry, gent., of his new invented hydraulick machine or engine for raising water; to hold to him, his execrs, admrs, & assigns, within England, Wales, & town of Berwick-upon-Tweed, and His Mãtie's colonies & plantaĉons abroad, for the term of 14 years pursuant to the statute; with a clause to inroll the same within 4 kalendar months from the date hereof. Witness His Mãtie at Westmr, the 13th day of January, in the year above.
By writ, &c.

HILLCOAT. 28th January 1766.

838. A grant unto THOMAS HILLCOAT, of the town of Newcastle-upon-Tyne, ironmonger, of his new invented machine for disengaging of horses from coaches, chaises, and such like carriages on any emergency; to hold to him, his execrs, admrs, & assigns, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within 4 kalendar months from the date hereof. Witness His Mãtie at Westmr, the 28th day of January, in the year above.
By writ, &c.

MARTIN. ROBINSON. 6th Feb. 1766.

839. A grant unto WILLIAM MARTIN, of Fenchurch Street, in the city of London, hosier, and ANN ROBINSON, of Woburn, in the county of Bedford, spinster, of their new invented method of making of silk mitts & silk gloves; to hold to them, their execrs, admrs, and assigns, within England, Wales, & town of Berwick-upon-Tweed, and also in His Mãtie's plantaĉons abroad, for the term of 14 years pursuant to the statute; with a clause to inroll the same within 4 kalendar months from the date hereof. Witness His Mãtie at Westmr, the 6th day of February, in the year above. By writ, &c.

MARIE. 6th Feb. 1766.

840. A grant unto DAVID MARIE, of Crown Street, in the city of Westmr, watchmaker, of his new invented fire machine; to hold to him, his execrs, admrs, & assigns, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within 4 kalendar months from the date hereof. Witness His Mãtie, as next above. By writ, &c.

McCarthy. 6th March 1766.

841. A grant unto Dennis McCarthy, of the parish of St James's, Clerkenwell, in the county of Middx, esqr, of his new invented composicon or cement called pietra cotta; to hold to him, his exors, admrs, & assigns, within England, Wales, & town of Berwick-upon-Tweed, and also in His Mātie's colonies & plantacons abroad, for the term of 14 years pursuant to the statute ; with a clause to inroll the same within 4 kalendar months from the date hereof. Witness His Mātie at Westmr, the 6th day of March, in the year above. By writ, &c.

Jones. 25th March 1766.

842. A grant unto the Reverend John Jones, of Limpsfield, in the county of Surry, of his new invencon called the Brittish herb tobacco; to hold to him, his execrs, admrs, & assigns, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute ; with a clause to inroll the same within 4 kalendar months from the date hereof. Witness His Mātie at Westmr, the 25th day of March, in the year above. By writ, &c.

Lindslee. 25th March 1766.

843. A grant unto Thomas Lindslee, of the parish of St George-the-East, in the county of Middx, potter, of his new invented composition for the making of fictile pipes for the conducting of water & other fictile wares, & a method of making & burning the same; to hold to him, his execrs, admrs, & assigns, within England, Wales, & town of Berwick upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within 4 kalendar months from the date hereof. Witness His Mātie at Westmr, the 25th of March, in the year above. By writ, &c.

Fall. 25th March 1766.

844. A grant unto Robert Fall, esqre, of his new invented cheap method of heating all kinds of fluids by a new mechanical contrivance, whereby the fire is applyed in a manner hitherto unpracticed; to hold to him, his execrs, admrs, and assigns, within England, Wales, & town of Berwick-upon-Tweed, and in the plantacons in America, for the term of 14 years pursuant to the statute ; with a clause to inroll the same within 4 kalendar months from the date hereof. Witness, &c, as next above. By writ, &c.

Foster. 15th April 1766.

845. A grant unto Abraham Foster, of Seething Lane, in the parish of Allhallows, Barking, peruke maker, of his new invented composicon for curing the ague, called Foster's composicon; to hold to him, his execrs, admrs, & assigns, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute ; with a clause to inroll the same within 4 kalendar months from the date hereof. Witness His Mātie at Westmr, the 15th day of April, in the year above. By writ, &c.

Delaval. 22nd April 1766.

846. A grant unto Thomas Delaval, of Seaton Delaval, in the county of Northumberland, esqr, of his new invented composicon or flux for making of glass ; and also his new invented discovery of making gunpowder from sulphur stones, called brasses, found in coal mines; to hold to him, his execrs, admrs, & assigns, within England, Wales, & town of Berwick-upon-Tweed, and also in His Mātie's plantacons in America, for the term of 14 years pursuant to the statute ; with a clause to inroll the same within 4 kalendar months from the date hereof. Witness His Mātie at Westmr, the 22nd day of April, in the year above. By writ, &c.

Peele. 10th June 1766.

847. A grant unto John Peele, of Cheapside, in the city of London, linnen draper, of his new invented method of printing images, songs, mapps, landskips, & sea pieces by copper plates on linnen for handkerchiefs; to hold to him, his execrs, admrs, & assigns, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute ; with a clause to inroll the same within 4 months from the date hereof. Witness His Mātie at Westmr, the 10th day of June, in the year above. By writ, &c.

BLAKEY. 10th June 1766.

848. A grant unto WILLIAM BLAKEY, of the parish of S^{t} Mary-le-Bone, in the county of Middx, engineer, of his new invented machine which performs its opperac̃ons either by fire or fall of water, or both together, & the friction is thereby reduced so as to have no solid bodys to rub but the injecting vapour & water cocks or sluices; to hold to him, his exec^{rs}, adm^{rs}, & assigns, within England, Wales, & town of Berwick-upon-Tweed, and also in His Mãtie's colonies & plantac̃ons abroad, for the term of 14 years pursuant to the statute; with a clause to inroll the same within 4 kalendar months from the date hereof. Witness, &^{c}, as next above. By writ, &^{c}.

LAURAGUAIS. 10th June 1766.

849. A grant unto the COUNT DE LAURAGUAIS, of London, of his new invented method of making porcelain ware in all its branches; to hold to him, his exec^{rs}, adm^{rs}, & assigns, within England, Wales, & town of Berwick-upon-Tweed, and also in His Mãtie's colonys & plantac̃ons abroad, for the term of 14 years pursuant to the statute; with a clause to inroll the same within 4 kalendar months from the date hereof. Witness, &^{c}, as next above. By writ, &^{c}.

KNIGHT. 10th June 1766.

850. A grant unto GOWIN KNIGHT, of the British Museum, doctor of physick, of his new invented method of constructing compasses in general, so as to prevent their being affected by the motion of the ship in rough weather; to hold to him, his exec^{rs}, adm^{rs}, & assigns, within England, Wales, & town of Berwick upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within 4 months from the date hereof. Witness, &^{c}, as next above. By writ, &^{c}.

CRANAGE. CRANAGE. 17th June 1766.

851. A grant unto THOMAS CRANAGE, of Bridgnorth, in the county of Salop, forgeman, & GEORGE CRANAGE, of Colebrook Dale, in the county aforesaid, founder, of their new invented art of making pig or cast iron malleable in a reverbatory or air furnace with pit coal only; to hold to them, their exec^{rs}, adm^{rs}, & ass^{s}, within England, Wales, & town of Berwick-upon-Tweed, and also in His Mãtie's colonies & plantac̃ons in America, for the term of 14 years pursuant to the statute; with a clause to inroll the same within 4 kalendar months from the date hereof. Witness His Mãtie at Westm^{r}, the 17th day of June in the year above. By writ, &^{c}.

MARTIN. 5th July 1766.

852. A grant unto BENJAMIN MARTIN, of Fleet Street, in the city of London, optician, of his new invenc̃on of an hydraulick engine, in the nature of a pump, for raising water; to hold to him, his exec^{rs}, adm^{rs}, & assigns, within England, Wales, & town of Berwick-upon Tweed, and also in all His Mãtie's colonies & plantac̃ons abroad, for the term of 14 years pursuant to the statute; with a clause to inroll the same within 4 kalendar months from the date hereof. Witness His Mãtie at Westm^{r}, the 5th day of July, in the year above. By writ, &^{c}.

BABU. 12th July 1766.

853. A grant unto CHARLES NICHOLAS MICHEL BABU, of Jermyn Street, in the parish of S^{t} James, Westm^{r}, engineer in hydraulics, of his new invented pump or engine, by the use of which a greater quantity of water may be furnished or raised than by any pump or engine hitherto invented; and he has also invented an engine for readily extinguishing fires; to hold to him, his exec^{rs}, adm^{rs}, & assigns, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within four kalendar months from the date hereof. Witness His Mãtie at Westm^{r}, the 12th day of July, in the year above. By writ, &^{c}.

PURNELL. 31st July 1766.

854. A grant unto JOHN PURNELL, of Frampton-upon-Severn, in the county of Gloucester, iron master, of his new invented machine for making

ships bolts, large round rods of iron & steel, and iron and steel wires of various sizes, that are in many respects far more serviceable & preferable than any method hitherto made use of; to hold to him, his execrs, admrs, & assigns, within England, Wales, & town of Berwick-upon-Tweed, and also in His Mãtie's colonies & plantacons abroad, for the term of 14 years pursuant to the statute; with a clause to inroll the same within 4 kalendar months from the date hereof. Witness His Mãtie at Westmr, the 31st day of July, in the year above. By writ, &c.

PEASE.
5th August 1766.

855. A grant unto THOMAS PEASE, of the parish of St George, Hanover Square, in the county of Middx, smith & spring maker, of his new invented machine & springe for rendering coaches, chariots, chaises, or any other vehicle to hang more steady, safe, & easy than any hitherto invented; to hold to him, his execrs, admrs, & assigns, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within 4 kalendar months from the date hereof. Witness His Mãtie at Westmr, the 5th day of August, in the year above.
By writ, &c.

MARCNARD.
13th August 1766.

856. A grant unto DANIEL AUGUSTIN MARCNARD, of Eagle Street, Red Lion Square, in the parish of St Andrew, Holborn-above-Bars, in the county of Middx, merchant, of his new invented machine for making women's mitts & gloves; to hold to him, his execrs, admrs, & assigns, within England, Wales, & town of Berwick-upon-Tweed, and in all His Mãtie's colonies & plantacons abroad, for the term of 14 years pursuant to the statute; with a clause to inroll the same within 4 kalendar months from the date hereof. Witness His Mãtie at Westmr, the 13th day of August, in the year above.
By writ, &c.

SUTTON.
SUTTON.
13th August 1766.

857. A grant unto ROBERT SUTTON, of Framingham Earl, in the county of Norfolk, surgeon, & DANIEL SUTTON, of Ingatestone, in the county of Essex, surgeon, of their new invented specific medicine that will certainly produce a favorable species of the small pox; to hold to them, their execrs, admrs, & assigns, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within 4 kalendar months from the date hereof. Witness, &c, as next above.
By writ, &c.

YERBURY.
26th August 1766.

858. A grant unto FRANCIS YERBURY, of Bradford, in the county of Wilts, clothier, of his new invented method of making thin superfine cloths for the summer season at home and warmer climates abroad; to hold to him, his executors, admors, & assigns, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within 4 kalendar months from the date hereof. Witness His Mãtie at Westmr, the 26th day of Augt, in the year above.
By writ, &c.

STEWART.
6th Sept. 1766.

859. A grant unto JOHN STEWART, of the parish of St George-in-the-East, in the county of Middx, mercht, of his new invented machine to be worked by the power of such common fire engines as are used in raising water out of mines; to hold to him, his execrs, admrs, & assigns, within England, Wales, & town of Berwick-upon-Tweed, & also in all His Majesty's colonies & plantations abroad, for the term of 14 yrs pursuant to the statute; with a clause to inroll the same within 4 calendar months from the date thereof. Witness His Majesty at Westmr, the 6th day of Septr, in the year above.
By writ, &c.

DICKINSON. SEDGIER. 13th Sept. 1766.

860. A grant unto ROBERT DICKINSON, of the parish of S^{t} Clement Danes, in the county of Middx, upholsterer, & HENRY SEDGIER, of Shire Lane, in the liberty of the Rolls, in the said county, cabinet maker, of their new invented bedstead for persons confined to their beds by sickness; & is so contrived that a person lying thereon may be raised by the nurse into a sitting posture, by a turning of a wynch, & let down in the same manner, without the least shaking or danger of catching cold; & after the sick person is set up in bed, by turning another wynch the said bedstead will be converted into a settee, & by the same method restored again into a bed, without danger of catching cold; to hold to them, their executors, admors, & assigns, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within 4 calendar months from the date hereof. Witness His Majesty at Westm^{r}, the 13th day of Sept^{r}, in the year above. By writt, &c.

TREDWELL. 8th Nov. 1766.

861. A grant unto RICHARD TREDWELL, of the parish of S^{t} Paul, Covent Garden, in the county of Middx, spring maker, of his new invented method of making springs for the ease & convenience of coaches & other carriages with a worm & pin, & either with or without a plate fixed in several forms & shapes, to answer many useful purposes; to hold to him, his extors, admors, & assigns, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within 4 calendar months from the date hereof. Witness His Majesty at Westm^{r}, the 8th day of Nov^{r}, in the year above. By writ, &c.

YONGE. BARCLAY. 21st Nov. 1766.

862. A grant unto JOHN GREENHILL YONGE, of the city of London, esq^{r}, & ALEXANDER BARCLAY, of All Hallows Lane, in the said city, founder, of their new invented method of constructing sugar mills by the application of friction wheels to diminish the resistance arising from friction; to hold to the said John Greenhill Yonge & Alexander Barclay, their executors, admors, and assigns, within England, Wales, & town of Berwick-upon-Tweed, & also in the plantations and colonies abroad, for the term of 14 years pursuant to the statute; with a clause to inroll the same within 4 calendar months from the date hereof. Witness His Matie at Westm^{r}, the 21st day of Nov^{r}, in the year above. By writ, &c.

HATCHETT. 21st Nov. 1766.

863. A grant unto JOHN HATCHETT, of the parish of S^{t} Martin-in-the-Fields, in the county of Middx, coachmaker, of his invention of a new spring for the hanging of coaches & other carriages upon, both for town & country; to hold to him, his executors, admors, & assigns, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within 4 calendar months from the date hereof. Witness His Maty at Westm^{r}, the 21st day of Nov^{r}, in the year above. By writ, &c.

LIDDELL. 25th Nov. 1766.

864. A grant unto RICHARD LIDDELL, of the city of London, gent., of his new method of unloading or discharging of coals, culm, corn, merchandize, or other matter out of ships, vessells, keels, boats, lighters, or other kind of craft, and also for measuring or weighing the same; to hold to him, his extors, admors, & assigns, within England, Wales, & town of Berwick-upon-Tweed, & also in the colonies & plantations abroad, for the term of 14 years pursuant to the statute; with a clause to inroll the same within 4 kalendar months from the date hereof. Witness His Maty at Westm^{r}, the 25th day of Nov^{r}, in the year above. By writ, &c.

BARBER. 26th Nov. 1766.

865. A grant unto JOHN BARBER, in the county of Essex, esq^{re}, of his new method of raising water out of mines & ships, and for supplying cities, towns,

& other places with water, and in general for raising ponderous weights of all kinds, p̃ticularly coals out of mines, by fire, by water, or by both jointly; to hold to him, his ex̃tors, adm̃ors, & assigns, within England, Wales, & town of Berwick-upon-Tweed, & also in the colonies & plantations abroad, for the term of 14 years pursuant to the statute; with a clause to inroll the same within 4 calendar months from the date hereof. Witness His Mãty at Westm^r, the 26^th^ day of Nov^r, in the year above. By writ, &^c^.

LEVY. 17th Dec. 1766.

866. A grant unto ISAAC LEVY, of the city of London, merchant, of his new invented floating machine for conveying timber & other materials, such as staves, boards, plank, iron, & masts, from one part of the world to another without shipping; to hold to him, his ex̃tors, adm̃ors, & assigns, within England, Wales, & town of Berwick-upon-Tweed, & also in the colonies & plantations abroad, for the term of 14 years pursuant to the statute; with a clause to inroll the same within 4 calendar months from the date hereof. Witness His Mãty at Westm^r, the 17^th^ day of December, in the year above. By writ, &^c^.

CHAMPION. 26th Jan. 1767.

867. A grant unto W^M^ CHAMPION, of the city of Bristol, merch^t^, of his art or mystery of refining copper, for making brass, by wrought iron, & of making brass by a mineral black jack or Brazil, instead of calamy or lapis calaminaris, & for manufacturing brass into brass wire by stone or pit coal, instead of wood now used; to hold to him, his ex̃tors, adm̃ors, & assigns, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within 4 calendar months from the date hereof. Witness His Majesty at Westm^r, the 26^th^ day of January, in the year above. By writ, &^c^.

HOPKINS. BECKETT. HENDERSON. 10th Feb. 1767.

868. A grant unto JOHN HOPKINS, of the city of London, druggist, & THOMAS BECKETT & CHRISTOPHER HENDERSON, of the same place, merch^ts^, of their new invented medicine, called beaume de vie, & of making and manufacturing the same from several scarce and valuable druggs; to hold to them, their executors, adm̃ors, and assigns, within England, Wales, & town of Berwick-upon-Tweed, & also in the plantations & colonies abroad, for the term of 14 years pursuant to the statute; with a clause to inroll the same within 4 calendar months from the date hereof. Witness His Majesty at Westm^r, the 10^th^ day of Feb^ry^, in the year above. By writ, &^c^.

LONG. 25th Feb. 1767.

869. A grant unto THOMAS LONG, of Mitcham, in the county of Surrey, callico printer, of his new invented machine for the blotching, printing, intermixing, & variagating with copper plates, purple & red, & red & black colours, on callicoes, cottons, lawns, & all other kinds of whitstered linnens for furniture, garments, & handkerchiefs; to hold to him, his executors, adm̃ors, & assigns, within England, Wales, & town of Berwick-upon-Tweed, & also within His Majesty's colonies & plantac̃ons abroad, for the term of 14 years pursuant to the statute; with a clause to inroll the same within 4 kalendar months from the date hereof. Witness His Mãty at Westm^r, the 25^th^ day of Feb^ry^, in the year above. By writ, &^c^.

DELAVAL. 13th March 1767.

870. A grant unto THOMAS DELAVAL, of Seaton Delaval, in the county of Northland, esq^re^, of his new invented means of making kelp by burning the sea-weed at all seasons of the year, wet, immediately after it is cut from the rocks or driven upon the shore, without any further preparation; to hold to him, his ex̃tors, adm̃ors, & assigns, within England, Wales, & town of Berwick-upon-Tweed, & also in the plantations in America, for the term of 14 years pursuant to the statute; with a clause to inroll the same within four calendar months from the date hereof. Witness His Majesty at Westm^r, the 13^th^ day of March, in the year above. By writ, &^c^.

OXLEY.
13th March 1767.

871. A grant unto JOSEPH OXLEY, of Flodden, in the county of Northland, of his new invented machine or water wheel for drawing coals, or other purposes, by water; which machine also counter ballances ropes made use of in drawing coals or other things; to hold to him, his executors, admors, and assigns, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within 4 kalendar months from the date hereof. Witness His Majesty at Westmr, the 13th day of March, in the year above. By writ, &c.

DOWNES.
13th March 1767.

872. A grant unto JOHN DOWNES, of the parish of St Leonard, Shoreditch, in the county of Middx, watchmaker, of his new invention, called a deepening tool, for deepening clock & watch wheels, by properly measuring a wheel & pinion, will set off their depth with great accuracy & dispatch; to hold to him, his extors, admors, & assigns, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within four calendar months from the date hereof. Witness His Majesty at Westmr, the 13th day of March, in the year above. By writ, &c.

CLUNIE.
THOUVOIS.
26th March 1767.

873. A grant unto ALEXANDER CLUNIE, of Thames Street, London, wharfinger, & PETER THOUVOIS, of Moorfields, in the county of Middx, gent., of their new invented machine for working cranes, made use of in landing goods & merchandizes out of vessells & other craft, which will make such cranes of a preferable construction to those now made use of for that purpose, & thereby a much greater quantity of goods can be landed in the same space of time & with the same number of hands as at present are employed about such business; to hold to them, their executors, admors, & assigns, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; together with a clause to inroll the same within 4 calendar months from the date hereof. Witness His Matie at Westmr, the 26th day of March, in the year above. By writ, &c.

HIGGINS.
29th April 1767.

874. A grant unto BRYAN HIGGINS, doctor of physick, of Chancery Lane, London, of his new invented instrument, which, being made to represent a candle and candlestick of any convenient figure, according to the fancy of the workman, keeps the surface of a column of oil, contained therein, at nearly an equal distance from the blaze or lighter part, as well when a part or almost the whole of the said oil is consumed by burning, as when the instrument contains a full quantity; that it is designed to render the light given by oil steady and equable, and as portable, convenient, cleanly, and elegant as that of candles made of tallow or wax; to hold to him, his executors, admors, and assigns, within England, Wales, and town of Berwick-upon-Tweed, and the plantacons abroad, for the term of 14 years pursuant to the statute; together with a clause to inroll the same within 4 calendar months from the date hereof. Witness His Majesty at Westmr, the 29th day of April, ao 7mo. By writ, &c.

DUNCOMBE.
POHLE.
18th May 1767.

875. A grant unto JOHN DUNCOMBE, mathematician, and JOSEPH POHLE, engraver, both of Ludlow, in the county of Salop, of their new invented instrument for measuring standing timber; to hold to them, their executors, admors, and assigns, within England, Wales, and town of Berwick-upon-Tweed, and the colonies and plantations abroad, for the term of 14 years pursuant to the statute; together with a clause to inroll the same within 4 kalendar months from the date hereof. Witness His Majesty at Westmr, the 18th day of May, ao 7mo. By writ, &c.

DUNCOMBE.
POHLE.
18th May 1767.

876. A grant unto JOHN DUNCOMBE, mathematician, and JOSEPH POHLE, engraver, both of Ludlow, in the county of Salop, of their new invented machine for turning spitts for roasting of meat instead of a jack ; which machine will go six hours and upwards, if necessary, without winding up or any other trouble, and upon an enlarged plan will draw and raise water out of mines, whereby great expences of fire may be saved to the owners of such mines ; to hold to them, their executors, admors, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute ; together with a clause to inroll the same within four calendar months from the date hereof. Witness His Majesty at Westmr, the 18th day of May, ao 7mo. By writ, &c.

HARDY.
DAVIES.
DORILA.
2nd June 1767.

877. A grant unto HENRY HARDY, THOMAS DAVIES, and ANDREW DORILA, of their new invented method of making and manufacturing velvet, shag, and brocaded silk, plain, cut, figured, and in gold and silver, upon a stocking frame ; to hold to them, their executors, admors, & assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; together with a clause to inroll the same within 4 kalendar months from the date hereof. Witness His Majesty at Westmr, the 2nd day of June, ao 7mo. By writ, &c.

BOWEN.
1st July 1767.

878. A grant unto SAMUEL BOWEN, of the province of Georgia, in America, merchant, of his new invented method of preparing and making sago, vermicelli, and soy from the plants growing in America, to be equal in goodness to those made in the East Indies ; to hold to him, his executors, admors, and assigns, within England, Wales, and town of Berwick-upon-Tweed, and also in all His Majesty's colonys and plantations abroad for the term of 14 years pursuant to the statute ; with a clause to inroll the same within 4 kalendar months from the date hereof. Witness His Majesty at Westmr, the 1st day of July, in the year above. By writ, &c.

WINN.
4th July 1767.

879. A grant unto JOHN WINN, of Spring Street, Shadwell, in the county of Middx, shipwright, of his new invented machine in case of a ship's being in distress on a lee shore, where a boat cannot live, and divers other purposes therein mentioned ; to hold to him, his extors, admors, & assigns, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute ; with a clause to inroll the same within 4 kalendar months from the date hereof. Witness His Majesty at Westmr, the 4th day of July, in the year above. By writ, &c.

BRODIE.
WILLIAMS.
14th July 1767.

880. A grant unto ALEXANDER BRODIE and RICHARD WILLIAMS, both of the parish of St Clement Danes, in the county of Middx, gent., of their new & peculiar method of making fire stoves and registers, which will remedy all or most of the inconveniencies heretofore attending them with respect to heat & otherwise, & with little variation may be applyed to other advantageous purposes ; to hold to them, their executors, admors, & assigns, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute ; with a clause to inroll the same within 4 calendar months from the date hereof. W. H. M. at W., the 14th day of July, ao 7mo. By writt, &c.

COBB.
30th July 1767.

881. A grant unto WM COBB, of St Clement Danes, in the county of Middx, of his new invented machine whereby immense quantities of fish may be caught or taken and sold at so cheap a rate as he conceives will be of great benefit to the publick in general & the poor in particular ; to hold to him, his extors, admors, & assigns, within England, Wales, & town of Berwick-upon-Tweed, & also in the plantations in America, for the term of 14 years pur-

suant to the statute ; with a clause to inroll the same within 4 calendar months from the date hereof. W. H. M. at W., the 30th day of July, a° 7mo. By writt, &c.

Dominiceti. 11th Sept. 1767.

882. A grant unto Bartholomew Dominiceti, of Chelsea, in the county of Middx, doctor of physick, of the sole use & benefit of his invention of the method of making the arbitrarily heated & medicated salubrious baths, pumps, and stoves, both moist and dry ; to hold to him, his executors, admors, & assigns, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within four calendar months from the date hereof. Witness H. M. at Westmr, the 11th day of Septr, a° 7mo. By writt, &c.

Stokoe. 2nd Nov. 1767.

883. A grant unto Thomas Stokoe, of Sissons House, in the parish of Heworth, in the county of Durham, viewer of collieries and coal mines, of his new invented machine for the more easy drawing of coals, stones, earth, rubbish, and water from coal pits or other pitts to bank, and for conveying the same or any other heavy burthen at any distance ; to hold to him, his executors, admors, and assigns, within England, Wales, & town of Berwick-upon-Tweed, and in the plantations in America, for the term of 14 years pursuant to the statute ; with a clause to inroll the same within four calendar months from the date hereof. Witness His Majesty at Westmr, the 2nd day of Novr, a° octavo. By writt, &c.

Bissy. 11th Nov. 1767.

884. A grant unto Stephen Baron de Bissy, of Princes Street, Leicester Fields, in the county of Middlesex, gent, of his new invented oar for men-of-war, merchant-men, and other rowing vessels, not only in calms but in cases of distress and engagements ; to hold to him, his executors, admors, and assigns, within England, Wales, and town of Berwick-upon-Tweed, and in the colonies and plantations abroad, for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within four calendar months from the date hereof. Witness His Majesty at Westmr, the 11th day of Novr, a° octavo. By writt, &c.

Battiscombe. 11th Nov. 1767.

885. A grant unto Christopher Battiscombe, of the parish of Yatton, in the county of Somerset, gent, of his new invented machines for preventing dangers which often attend persons falling from their horses by entangling their feet in the stirrup ; to hold to him, his executors, admors, and assigns, within England, Wales, & town of Berwick-upon-Tweed, and also in the colonies and plantations abroad, for the term of 14 years pursuant to the statute ; with a clause to inroll the same within four calendar months from the date hereof. Witness His Majesty at Westmr, the 11th day of November, a° octavo. By writt, &c.

Berkenhout. 7th Dec. 1767.

886. A grant unto John Berkenhout, gent, of his new invented method of dicing, flowering, or marking playing cards, so as to render them distinguishable from the white cards now used, and in preventing the confusion arising from mixing two packs of such cards as are now in use ; to hold to him, his executors, admors, and assigns, within England, Wales, and town of Berwick-upon-Tweed, and also in the colonies and plantations abroad, for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within four calendar months from the date hereof. Witness His Majesty at Westmr, the 7th day of December, a° octavo. By writt, &c.

Smith. 18th Dec. 1767.

887. A grant unto Joaclinn Smith, of the parish of St Giles, in the county of Middlesex, gent, of his new invented compound preparation for preserving the bottoms of ships and other vessels that use the sea from being eaten into

or honeycombed by worms or other insects ; to hold to him, his executors, admors, and assigns, within England, Wales, and town of Berwick-upon-Tweed, and in the plantations in America, for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within 4 calendar months from the date hereof. Witness His Majesty at Westmr, the 18th day of December, ao octavo. By writt, &c.

FOUGT. 24th Dec. 1767.

888. A grant unto HENRY FOUGT, of Salisbury Court, Fleet Street, London, gent, of his new invented art and method of making certain curious types, to be used in printing of all sorts of musick notes, as neatly in every respect as is at present usually done by engraving, and at a much less expence ; to hold to him, his extors, admors, and assigns, within England, Wales, and town of Berwick-upon-Tweed, and also in the colonies and plantations in America, for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within four calendar months from the date hereof. Witness His Majesty at Westmr, the 24th day of Decr, ao octavo.
By writt, &c.

HAYNE. 24th Dec. 1767.

889. A grant unto RICHARD HAYNE, of Ashborn, in the county of Derby, esqre, of his new invented machine or mill for grinding wheat, corn, and other grain, and also in preparing of utensils and materials used in divers manufactories and businesses, and conveniently set up and worked in any small room ; to hold to him, his executors, admors, and assigns, within England, Wales, and town of Berwick-upon-Tweed, and in the colonies and plantations abroad, for the term of 14 years pursuant to the statute ; with a clause to inroll the same within four calendar months from the date hereof. Witness His Majesty at Westmr, the 24th day of December, ao octavo.
By writt, &c.

PRINCE. 2nd Jan. 1768.

890. A grant unto WILLIAM PRINCE, of the Strand, London, of his new invented method of making starch, with the use of machines, from other ingredients than wheat, wheat flour, pollard, bran, or potatoes, and of a superior quality than what is now made use of ; to hold to him, his executors, admors, and assigns, within England, Wales, & town of Berwick-upon-Tweed, and the colonies and plantations in America, for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within four calendar months from the date hereof. Witness His Majesty at Westmr, the 2nd day of January, ao octavo. By writt, &c.

LAYCOCK. 2nd Jan. 1768.

891. A grant unto THOMAS LAYCOCK, of Great Windmill Street, in the parish of St James, Westmr, of his new invented window blinds for coaches and other carriages, which will exclude sun and rain, and admit of a free current of air ; to hold to him, his extors, admors, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within four calendar months from the date hereof. Witness His Majesty at Westmr, the 2nd day of January, ao octavo. By writt, &c.

PINCHBECK. 29th Feb. 1768.

892. A grant unto CHRISTOPHER PINCHBECK, of Cock Spurr Street, in the parish of St Martin-in-the-Fields, in the county of Middx, toyman and mechanician, of his new invented nossel and candlestick of a different construction from any now in use ; to hold to him, his executors, admors, and assigns within England, Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within four calendar months from the date hereof. Witness His Majesty at Westmr, the 29th day of February, ao octavo. By writt, &c.

MERCHANT. 29th Feb. 1768.

893. A grant unto GEORGE MERCHANT, of Isleworth, in the county of Middlesex, of his new invention of milling raw hides and skins in such manner as to be equally good for the use of leather as if tanned ; to hold to him, his executors, admors, and assigns, within England, Wales, and town of Berwick-upon-Tweed, and also in the colonies and plantations abroad, for the term of 14 years pursuant to the statute ; with a clause to inroll the same within four calendar months from the date hereof. Witness His Majesty at Westmr, the 29th day of February, ao octavo. By writt, &c.

COX. 8th March 1768.

894. A grant unto ROBERT ALBION COX, of Little Britain, London, smelter and refiner, of his new method of smelting and refining of gold, silver, copper, lead, & its ores, and the waste and sweepings thereof, with the foul slaggs drawn therefrom by grinding, washing, and working the same, and constructing the smelting & testing furnaces; to hold to him, his extors, admors, & assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within four calendar months from the date hereof. Witness His Majesty at Westmr, the 8th day of March, in the above year. By writt, &c.

HATELY. 8th March 1768.

895. A grant unto JOSEPH HATELY, of Burrowstouness, in the shire of West Lothian, North Britain, gent, of his invention of a new fire engine with a boiler, both of a particular sort; to hold to him, his executors, admors, and assigns, within England, Wales, and town of Berwick-upon-Tweed, and also in the plantations and colonies abroad, for the term of 14 years pursuant to the statute ; with a clause to inroll the same within four kalendar months from the date hereof. Witness His Majesty at Westmr, the 8th day of March, in the year above. By writ, &c.

MEIKLE. MACKELL. 14th March 1768.

896. A grant unto ANDREW MEIKLE, of Houston Mill, near Dunbar, in the county of Haddington, North Britain, millwright, and ROBERT MACKELL, of Westfield, near Falkirk, in the county of Stirling, North Britain, engineer, of their new invented machine for dressing of wheat, malt, and other grains before they are ground, and effectually cleansing them from sand, dust, and smut; to hold to them, their extors, admors, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within four calendar months from the date hereof. Witness His Majesty at Westmr, the 14th day of March, in the year above. By writt, &c.

WISE. 14th March 1768.

897. A grant unto SAMUEL WISE, of the town and county of Nottingham, musician, of his new invented machine or engine for raising of water out of mines and wells and draining lands; to hold to him, his executors, admors, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within four calendar months from the date hereof. Witness His Majesty at Westmr, the 14th day of March, in the year above.

By writt, &c.

COOKWORTHY. 17th March 1768.

898. A grant unto WILLIAM COOKWORTHY, of Plymouth, in the county of Devon, chemist, of his new invention of making porcellain from ingredients, distinguished in the counties of Devon and Cornwall by the names of moorstone and growan and growan clay, and that the ware prepared from these materials hath all the characters of true porcelain, in regard to grain, transparency, colour, & infusibility, equal to the best Chinese or Dresden ware; to hold to him, his executors, admors, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the

statute; with a clause to inroll the same within four calendar months from the date hereof. Witness His Majesty at Westm^{r}, the 17th day of March, in the year above. By writt, &^{c}.

PINCHBECK. 17th March 1768.

899. A grant unto CHRISTOPHER PINCHBECK, of the parish of S^{t} Martin's-in-the-Fields, toyman and mechanician, of his new invented set of tablets, called his nocturnal remembrancer, by which every person of genius, business, and reflection may secure all their night thoughts worth preserving, though in the dark; to hold to him, his executors, adm̃ors, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within four calendar months from the date hereof. Witness His Majesty at Westm^{r}, the 17th day of March, in the year above. By writt, &^{c}.

POWERS. 16th April 1768.

900. A grant unto WILLIAM POWERS, of the city of Coventry, leather dresser, of his new invented method of splitting and dividing sheeps pelts, lambs pelts, and other skins, and rendering the grain and upper part thereof more useful for binding of books and other purposes of trade, and the under part thereof to be wrought into leather; to hold to him, his ex̃tors, adm̃ors, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within four calendar months from the date hereof. Witness His Majesty at Westm^{r}, the 16th day of April, in the year above. By writt, &^{c}.

BOOTIE. 13th August 1768.

901. A grant unto JOHN BOOTIE, of the parish of Saint Martin-in-the-Fields, brazier, of his new invented method of tinning copper and brass vessels, that is to say, ship kettles and kitchen furniture, to prevent that pernicious poisonous matter called verdegrease from damaging provisions; to hold to him, his executors, adm̃ors, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at W., the 13th day of August, in the year above. By writt, &^{c}.

APPLEBY. 13th August 1768.

902. A grant unto THOMAS APPLEBY, of Knutsford, in the county of Cheshire, surgeon, of his new invented balsam for the cure of and bringing away sand and gravel lodged in the bladder and kidneys, the cure of green wounds, and several other disorders incident to human nature; to hold to him, his executors, adm̃ors, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within 4 calendar months from the date hereof. W. H. M. at W., the 13th day of Aug^{t}, in the year above. By writt, &^{c}.

FREETH. FREETH. 6th Oct. 1768.

903. A grant unto SAMUEL FREETH and SAMPSON FREETH, both of Birmingham, in the county of Warwick, merchants, of their new invented method of making and fabricating hand cornmills for grinding of wheat in private families; to hold to them, their ex̃ors, adm̃ors, and ass^{s}, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to enroll the same within four calendar months from the date hereof. Witness H. M. at Westm^{r}, 6th day of Oct., in the year above. By writt, &^{c}.

DRUMMOND. 28th Oct. 1768.

904. A grant unto ANTHONY DRUMMOND, of Gateshead, in the county of Durham, mason, of his new invented machine or engine for polishing or plaining of marble, flag stones, paving and other stones; to hold to him, his executors, adm̃ors, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within 4 calendar months from the date thereof. W. H. M. at W., the 28th day of October, in the year above. By writt, &^{c}.

WHATELEY. 8th Nov. 1768.

905. A grant unto GEORGE WHATELEY, of Birmingham, in the county of Warwick, plater of silver, of his new method of plating silver upon metal wire and of plating gold upon silver wire, and drawing the same into wire of very fine sizes, both round, flat, & square, so as to make thread, lace, fringe, & tinsel as lasting as real silver and gold wire ; to hold to him, his executors, admors, and assigns, within England, Wales, and town of Berwick-upon-Tweed, & also in the plantations in America, for the term of 14 years pursuant to the statute ; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at W., the 8th day of Novr, in the year above. By writt, &c.

DRING. 25th Nov. 1768.

906. A grant unto JOHN DRING, of the parish of St James, in the county of Middlesex, stationer, of his new invented method of making ink into a cake or solid body, which is not subject to decay or lose its quality, and when mixed for use is as thin as water, & never moulds ; to hold to him, his executors, admors, & assigns, within England, Wales, & town of Berwick-upon-Tweed, & also in the colonies & plantations abroad, for the term of 14 years pursuant to the statute ; with a clause to inroll the same within four calendar months from the date thereof. W. H. M. at W., the 25th day of Novr, in the year above. By writ, &c.

BRUMBY. 28th Nov. 1768.

907. A grant unto MARTIN BRUMBY, of Gainsborough, in the county of Lincoln, sail cloth maker, of his new invented water or liquor for the tanning or preserving of single or double thread sail cloth, made of yarn, and preserving the same from mildewing and rotting ; which sail cloth, so laid or boiled therein as aforesd, he calls by the name of tanned canvas ; to hold to him, his extors, admors, & assigns, within England, Wales, & town of Berwick-upon-Tweed, & also in the colonies & plantations abroad, for the term of 14 years pursuant to the statute ; with a clause to inroll the same within 4 calendar months from the date thereof. W. H. M. at W., the 28th day of Novr, in the year above. By writ, &c.

WHATELEY. 6th Dec. 1768.

908. A grant unto GEORGE WHATELEY, of Birmingham, in the county of Warwick, plater of silver, of his new invention after plating silver upon metal wire, of plating gold upon silver plated wire, & drawing the same into wires of very fine sizes, both round, flat, and square, so as to make thread, lace, fringe, and tinsel, as usefull in various branches of business as real gold wire, thread, lace, fringe, & tinsel; to hold to him, his extors, admors, & assigns, within England, Wales, & town of Berwick-upon-Tweed, & also in the colonies & plantations in America, for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within four calendar months from the date thereof. W. H. M. the 6th day of December, in the year above. By writ, &c.

NORRIS. 7th Dec. 1768.

909. A grant unto THOMAS NORRIS, of Duke Street, Westmr, in the county of Middlesex, chemist, of his new invented medicine or drops for the cure of fevers & all inflamatory disorders & in many chronic disorders, & operates without the least violence or disturbance to the animal œconomy, even to the most delicate constitution ; to hold to him, his extors, admors, and assigns, within England, Wales, & town of Berwick-upon-Tweed, and also within the colonies and plantations abroad, for the term of 14 years pursuant to the statute ; with a clause to inroll the same within four calendar months from the date thereof. W. H. M. at W. the 7th day of Decr, in the year above. By writt, &c.

JACKSON. 9th Dec. 1768.

910. A grant unto HUMPHRY JACKSON of his new invented method of effectually hardening, toughening, or rendering very flexible, and preserving wood and timber in general from speedy rotting and decay, particularly oak

& elm plank, as well as the largest oak & elm used in building ships of war & other vessels, and preserving the same from being destroyed by sea worms; to hold to him, his executors, admors, and assigns, within England, Wales, & town of Berwick-upon-Tweed, and also in the colonies & plantations abroad, for the term of 14 years pursuant to the statute; with a clause to inrol the same within four calendar months from the date thereof. W. H. M. at W., the 9th day of December, in the year above. By writt, &c.

COLE. 16th Dec. 1768.

911. A grant unto WILLIAM COLE, of St Mary, Lambeth, in the county of Surrey, engine maker, of his new invented chain pump for raising water out of ships, or draining lands, or other purposes where a chain pump can be made use of; to hold to him, his extors, admors, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within 4 calendar months from the date thereof. W. H. M. at W., the 16th day of Decr, in the year above. By writ, &c.

CROOKSHANK. NORTON. 21st Dec. 1768.

912. A grant unto JAMES CROOKSHANK & WILLIAM NORTON, both of the city of Coventry, weavers, of their method of making & manufacturing a silk stuff, (never made in this kingdom before) equal in goodness with that known by the name of Italian crape & tiffany; to hold to them, their executors, admors, and assigns, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within four calendar months from the date thereof. W. H. M., at W., the 21st day of Decr, in the year above. By writ, &c.

WATT. 5th January 1769.

913. A grant unto JAMES WATT, of his new invented method of lessening the consumption of steam and fuel in fire engines; to hold to him, his executors, admors, and assigns, within England, Wales, & town of Berwick-upon-Tweed, and also in the colonies and plantations abroad, for the term of 14 years pursuant to the statute; with a clause to inroll the same within four calendar months from the date thereof. W. H. M. at W., the 5th day of January, in the year above. By writt, &c.

JAMES. MASON. 19th Jan. 1769.

914. A grant unto WILLIAM JAMES, of the Bank Buildings, in the city of London, and NATHANIEL MASON, of the parish of St Botolph, Aldgate, in the said city, gentleman, of their invention of a crane nook with an iron bar fixed horizontally against the end of the perch, which will be great improvements in wheel carriages, to wit, coach, chariot, landau, and chaises; to hold to them, their executors, admors, and assigns, within England, Wales, and town of Berwick-upon-Tweed, and also within the colonies and plantations abroad, for the term of fourteen years pursuant to the statute; with a clause to inroll the same within four calendar months from the date thereof. W. H. M. at W., the 19th day of Jany, in the year above. By writt, &c.

SMITH. 6th Feb. 1769.

915. A grant unto JOACHIM SMITH, of the parish of St Giles, in the county of Middx, gent., of his new invention of making candlesticks, sconces, and lamps; to hold to him, his executors, admors, & assigns, within England, Wales, & town of Berwick-upon-Tweed, and in the plantations in America, for the term of fourteen years pursuant to the statute; with a clause to inroll the same within four calendar months from the date thereof. W. H. M. at W., the 6th day of Febry, in the year above. By writ, &c.

FINCHETT. 10th Feb. 1769.

916. A grant unto ARNOLD FINCHETT, of the Spaw Fields, Islington, in the county of Middx, of his new method of taking off the disagreeable and rank smells of all sorts of oils, and scenting the same with different aromatic smells; to hold to him, his executors, admors, and assigns, within England, Wales, and town of Berwick-upon-Tweed, and also in the colonies and plan-

tations abroad, for the term of fourteen years pursuant to the statute; with a clause to inroll the same within four calendar months from the date thereof. W. H. M. at W., the 10th day of Febr, in the year above. By writt, &c.

SCOTT. 16th Feb. 1769.

917. A grant unto GEORGE SCOTT, of Knightsbridge, in the county of Middx, gentleman, of his new invention of a boiler, pot, or utensil, to be made of any kind of metal, for dressing of ships provisions with sea water or any kind of water, and purifying the same, and extracting broths or soups; to hold to him, his executors, admors, and assigns, within England, Wales, & town of Berwick-upon-Tweed, and also in the colonies and plantations abroad, for the term of fourteen years pursuant to the statute; with a clause to inroll the same within four calendar months from the date thereof. W. H. M. at W., the 16th day of Febry, in the year above. By writ, &c.

WILLDAY. 21st Feb. 1769.

918. A grant unto SAMUEL WILLDAY, of Atherstone, in the county of Warwick, hat maker, of his new invented machine or instruments for drying malt with coal or other the most gross and smoking fuel, without communicating any ill taste or flavour whatever to the malt; to hold to him, his extors, admors, and assigns, within England, Wales, & town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within four calendar months from the date thereof. W. H. M. at W., the 21st day of Febry, in the year above. By writt, &c.

BONNIN. 5th March 1769.

919. A grant unto GOUSSE BONNIN, late of Booveney, in the county of Bucks, gent, of his new method of manufacturing certain materials into crucibles, known by the name of black lead crucibles, superior to any hitherto imported from Germany by the way of Holland; to hold to him, his executors, admors, and assigns, within England, Wales, and town of Berwick-upon-Tweed, and also in the colonies and plantations abroad, for the term of 14 years pursuant to the statute; with a clause to inroll the same within four calendar months from the date thereof. W. H. M. at W., the 5th day of March, in the year above. By writ, &c.

PICKERING. 7th March 1769.

920. A grant unto JOHN PICKERING, of London, gilt toy maker, of his new method of chasing in gold, silver, brass, tin, and other metals, particularly coffin furniture, ornaments for coaches, chariots, sedans, & other carriages, for cabinet work and other domestick furniture; to hold to him, his executors, admors, and assigns, within England, Wales, and town of Berwick-upon-Tweed, and also in the colonies and plantations abroad, for the term of fourteen years pursuant to the statute; with a clause to inroll the same within four calendar months from the date thereof. W. H. M. at W., the 7th day of March, in the year above. By writt, &.

MOORE. 14th March 1769.

921. A grant unto FRANCIS MOORE, of Cheapside, London, linen draper and warehouseman, of his new machines or engines, made of wood, iron, brass, copper, or other metal, to be wrought or put in motion by fire, water, or air, with a small assistance of horses or manual labour, which will be very useful in agriculture, carriage of persons, goods, and navigation, by causing ships, boats, barges, & other vessells to proceed with more swiftness; to hold to him, his executors, admors, and assigns, within England, Wales, & town of Berwick-upon-Tweed, and also in the colonies and plantations abroad, for the term of fourteen years pursuant to the statute; with a clause to inroll the same within four calendar months from the date thereof. W. H. M. at W., the 14th day of March, in the year above. By writt, &c.

DEBAUFRE. 21st March 1769.

922. A grant unto PETER DEBAUFRE, of the parish of St Dunstan-in-the-West, in the city of London, watchmaker, of his new invented engines or tools for the shaving, cutting, and preparing of wood for making of hatts and

bonnetts, of the same sort as those imported from Leghorn and other parts of Italy; to hold to him, his executors, admors, and assigns, within England, Wales, & town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within four calendar months from the date thereof. W. H. M. at W., the 21st day of March, in the year above. By writ, &c.

ASCOUGH. 22nd March 1769.

923. A grant unto JOHN ASCOUGH, of Nutwith Court, in the county of York, esqre, of his new invented machine or engine for manufacturing of combs; to hold to him, his executors, admors, and assigns, within England, Wales, and town of Berwick-upon-Tweed, and also in the colonies and plantations abroad, for the term of fourteen years pursuant to the statute; with a clause to inroll the same within four calendar months from the date thereof. W. H. M. at W., the 22nd day of March, in the year above. By writ, &c.

AMBROSE. 5th May 1769.

924. A grant unto SAMUEL AMBROSE, in the county of Kent, ironmonger, of his invention of a pump of a particular sort, which is worked by a roll or sheave placed in an operture in the spear thereof, by which means the said spear is kept in a direction perpendicular to the chamber in the simplest manner possible, with leavers suitable for large or small boxes, so that it may be worked either single or double handed with the greatest ease, and also brass pistons & buckets, that the fluid will ascend to the chamber and be drawn up with the greatest facility; to hold to him, his executors, admors, and assigns, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within four calendar months from the date thereof. W. H. M. at W., the 5th day of May, in the year above. By writ, &c.

WISE. 11th May 1769.

925. A grant unto SAMUEL WISE, of the town and county of the town of Nottingham, musician, of his new invented engine or machine, which, when fixed to a stocking frame, will make any sort of work usually manufactured upon stocking frames; to hold to him, his exors, admors, and assigns, within England, Wales, and town of Berwick-upon-Tweed, and also in the colonies and plantations abroad, for the term of 14 years pursuant to the statute; with a clause to enroll the same within 4 calendar months from the date thereof. W. H. M. at W., the 11th day of May, in the year above. By writt, &c.

STELL. 23rd May 1769.

926. A grant unto ANNE STELL, late of Keighly, in the West Riding of York, spinster, of her infallible method of preventing dangers which attends the hanging by the foot or leg in the stirrup by riders falling or being thrown from their horses; to hold to her, her executors, admors, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within four calendar months from the date thereof. W. H. M. at W., the 23rd day of May, in the year above. By writt, &c.

REEVES. 8th June 1769.

927. A grant unto CHRISTOPHER REEVES, of Blackman Street, in the parish of St Mary, Newington, in the county of Surrey, coach and coach harness maker, of his new invented springs, whereby coaches and all other four wheel carriages will go and travel with much greater ease, as well in town as in the country, than with any other spring or springs hitherto invented, together with the method of supporting the bodies of such carriages upon the said springs in the center, in such manner as to prevent the overturning the same by any accident whatsoever; to hold to him, his executors, admors, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within four calendar months from the date thereof. W. H. M. at W., the 8th day of June, in the year above. By writt, &c.

BUZAGLO.
8th June 1769.

928. A grant unto ABRAHAM BUZAGLO, of Catherine Street, in the parish of S^{t} Mary-le-Strand, warming machine maker, of his new invented warming machine, made either of copper, brass, tin, pewter, lead, steel, iron plate, bell or any other metal, to act without any fire, and to keep the feet of persons warm in coaches and all other sorts of carriages in the severest frosts, the heat of which may be increased or diminished at pleasure, without either expence or trouble; to hold to him, his executors, adm̃ors, and assigns, within England, Wales, and town of Berwick-upon-Tweed, and also in all the colonies and plantations abroad, for the term of 14 years pursuant to the statute; with a clause to inroll the same within four calendar months from the date thereof. W. H. M. at W., the eighth day of June, in the year above. By writt, &^{c}.

RUSSELL.
RUSSELL.
9th June 1769.

929. A grant unto RICHARD RUSSELL the elder, and RICHARD RUSSELL the younger, both of White Chapel, in the county of Middlesex, glass manufacturers, of their new invention of making furnaces for making glass without the use of potts, whereby the lives of the subjects are often endangered upon the bursting of such potts, may be preserved, and a great saving to the manufacturers thereof; to hold to them, their executors, adm̃ors, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within four calendar months from the date thereof. W. H. M. at W., the 9th day of June, in the year above. By writ, &^{c}.

MOORE.
19th June 1769.

930. A grant unto FRANCIS MOORE, of Cheapside, London, linnen draper and warehouseman, of his new invention of several mutiplying levers or additions of power that will expedite and extend motion and reduce vibration, by which power is gained without a proportionable loss of time, superior to what hath been yet practised, which will be of great utility in agriculture, carriages, navigation, mills, engines, & other things where mechanical powers are or can be used; to hold to him, his executors, adm̃ors, and assigns, within England, Wales, and town of Berwick-upon-Tweed, and also in the colonies and plantations abroad, for the term of 14 years pursuant to the statute; with a clause to inroll the same within four calendar months from the date thereof. W. H. M. at W., the 19th day of June, in the year above. By writ, &^{c}.

ARKWRIGHT.
3rd July 1769.

931. A grant unto RICHARD ARKWRIGHT, of the town of Nottingham, clockmaker, of his new invented piece of machinery for the making of weft or yarn from cotton, flax, and wool, much superior in quality to any heretofore manufactured or made; to hold to him, his executors, adm̃ors, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years from the date thereof. W. H. M. at W. the 3rd day of July, in the year above. By writ, &^{c}.

JACOB.
13th July 1769.

932. A grant unto JOSEPH JACOB the younger, of S^{t} Mary Ax, London, coachmaker, of his new invented method for the better construction of wheel carriages by the application of united spiral springs, hoop wheels, and leather boxes, which he apprehends will be of great utility to the public; to hold to him, his executors, adm̃ors, and assigns, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within four calendar months from the date thereof. W. H. M. at W., the 13th day of July, in the year above. By writ, &^{c}.

MOORE.
13th July 1769.

933. A grant unto FRANCIS MOORE, of Cheapside, London, linnen draper and warehouseman, of his new invented machines or engines, made partly of wood and partly of iron, brass, copper, or other metal, and constructed upon peculiar principles, capable of being wrought or put in motion by force or power, without being drawn by horses or any other beasts or cattle, and will be very useful in agriculture, carriage of persons and goods, and also in navigation, by causing ships, boats, barges, and other vessels to move, sail, or proceed with more swiftness or dispatch than usual; to hold to him, his executors, admors, and assigns, within England, Wales, and town of Berwick-upon-Tweed, and also in the colonies and plantations abroad, for the term of 14 years pursuant to the statute; with a clause to inroll the same within four calendar months from the date thereof. W. H. M. at W., the 13th day of July, in the year above. By writt, &c.

TAYLOR.
4th Aug. 1769.

934. A grant unto JAMES TAYLOR, of Ashton-under-Line, in the county of Lancaster, clockmaker, of his new invented machine for raising weight or water in a more simple and easy manner than anything heretofore discovered, not liable to misfortunes or repairs; to hold to him, his executors, admors, and assigns, within England, Wales, & town of Berwick-upon-Tweed, and also in the colonies & plantations abroad, for the term of fourteen years pursuant to the statute; with a clause to inroll the same within four calendar months from the date thereof. W. H. M. at W., the 4th day of Augt, in the year above. By writ, &c.

FORD.
28th Aug. 1769.

935. A grant unto RICHARD FORD, of Birmingham, in the county of Warwick, smith, of his new method of rolling silver, copper, and other metals of various thicknesses with the same rollers, by one operation, and of drawing brass, iron, steel, & other wire, by wheels and a pinion, of various sizes at one & the same time, and of raising, by a stamp and press, scale pans, saucepans, warming pans, basons, plate covers, kettles, ladles, & various other things out of silver, copper, & other metals; to hold to him, his executors, admors, & assigns, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within four calendar months from the date thereof. W. H. M. at W., the 28th day of August, in the year above. By writ, &c.

HODGES.
28th Oct. 1769.

936. A grant unto JAMES HODGES, of Lambeth, in the county of Surry, wood hat weaver, of his new invention of making wove wood hats; to hold to him, his executors, admors, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within four calendar months from the date thereof. W. H. M. at W., the 28th day of October, anno 10mo. By writ, &c.

BAKER.
DE MAGES.
COOK.
7th Nov. 1769.

937. A grant unto JOHN BAKER, of the parish of Saint Martin, Colchester, baysmaker, JOSEPH DE MAGES, of the parish of St Mary-le-bone, and JOHN COOK, of Allhallows, London Wall, in the county of Middlesex, of their new improvement of making a sort of bays for the Spanish and Portugal trade, upon a new invention imitating those manufactured in France, by which the French have had so considerable an advantage over the English woollen manufactories; to hold to them, their executors, admors, & assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within four calendar months from the date thereof. W. H. M. at W., the 7th day of November, in the year above. By writ, &c.

ASHTON.
7th Nov. 1769.

938. A grant unto JOSEPH ASHTON, of Birmingham, in the county of Warwick, of his new invented method of casting and making of coffin nails and jacks out of pig iron, commonly called cast metal, and of tinning the same; to hold to him, his exors, admors, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within 4 calendar months from the date thereof. W. H. M. at W., the 7th day of Novr, in the year above.

By writt, &c.

WEDGWOOD.
16th Nov. 1769.

939. A grant unto JOSIAH WEDGWOOD, of Burslem, in the county of Stafford, potter, of his invention for the purpose of ornamenting of earthen and porcelain ware an encaustic gold bronze, together with the peculiar species of encaustic painting in various colours, in imitation of the antient Etruscan & Roman earthenware; to hold to him, his executors, admors, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within four calendar months from the date thereof. W. H. M. at W., the 16th day of November, in the year above. By writ, &c.

PORTER.
PORTER.
CRANE.
16th Nov. 1769.

940. A grant unto JOHN PORTER, SINCKLER PORTER, & JOSIAH CRANE, of the town of Nottingham, hosiers and framework knitters, of their new invention of a machine or engine, on which is fixed a set of sliders, and which engine is fixed to a stocking frame, for shading and brocading, working and making of gold, silver, silk, worsted, cotton, and thread flowers and other figures upon silk, cotton, thread, & worsted pieces, for waistcoats, breeches, stockings, gloves, & mitts, & upon all goods and pieces usually made & manufactured in stocking frames; to hold to them, their executors, admors, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within four calendar months from the date thereof. W. H. M. at W., the 16th day of November, in the year above.

By writ, &c.

RADLEY.
16th Nov. 1769.

941. A grant unto WM RADLEY, of the parish of St Andrew, Holborn, chymist, new invention, found out a new sort of purging and diuretic balls for the cure of several diseases incident to horses; to hold to him, his executors, admors, and assigns, within England, Wales, & town of Berwick-upon-Tweed, and also in the colonies and plantations abroad, for the term of fourteen years pursuant to the statute; with a clause to inroll the same within four calendar months from the date thereof. W. H. M. at W., the 16th day of November, in the year above. By writ, &c.

AURIOL.
2nd Dec. 1769.

942. A grant unto JAMES AURIOL, of the city of London, merchant, of his new invented method of making soap without boiling, by a process easier and shorter than any hitherto practised, & will equal or excel any soap now made, and be of particular utility in the silk manufactory; to hold to him, his exors, admors, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within 4 calendar months from the date thereof. W. H. M. at W., the 2nd day of Decr, in the year above. By writ, &c.

JENKINSON.
6th Dec. 1769.

943. A grant unto WILLIAM JENKINSON, of Oswestey, in the county of Salop, gentleman, of his new invented machine or engine for drawing, raising, or forcing up water from all mines, minerals, coal pits, and other places from great depths to great heights; to hold to him, his exors, admors, and assigns, thro' England, Wales, and town of Berwick-upon-Tweed, and

also in the colonies and plantations abroad, for the term of 14 years pursuant to the statute; with a clause to inroll the same within 4 calendar months from the date thereof. W. H. M. at W., the 6th day of December, in the year above. By writ, &c.

HORNBUCKLE. 9th Dec. 1769.

944. A grant unto RICHARD HORNBUCKLE, of East Greenwich, in the county of Kent, mealman, of his new invented iron oven, that is moveable at all times, and which bakes bread or any pies or tarts in the utmost perfection, which oven may be set in any room without danger of fire, and the expence of the firing to be used in the baking will not exceed one penny an hour; also of a stove of the exact same form of the oven, and which is moveable instantly while in use, and will heat or air rooms and other places; to hold to him, his exors, admors, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within 4 calendar months from the date thereof. W. H. M. at W., the 9th day of December, in the year above. By writ, &c.

BEVAN. 11th Dec. 1769.

945. A grant unto EDWARD BEVAN, of Air Street, Piccadilly, in the county of Middlesex, carpenter, of his new invented Venetian window blind, which casts different shades at the same time and prevents the sun from damaging the furniture, at the same time admitting a full light at the other part of the windows, and rendering the room cool and pleasant in the hottest weather; to hold to him, his extors, admors, and assigns, thro' England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within 4 kalendar months from the date thereof. W. H. M. at W., the 11th day of Decr, in the year above. By writ, &c.

FREEMAN. 13th Dec. 1769.

946. A grant unto JAMES FREEMAN, of the parish of St Botolph, Bishopsgate, within the city of London, citizen and clockmaker, of his invention of a central second stop watch, vertical or horizontal, without the assistance of a compound motion; to hold to him, his exors, admors, and assigns, thro' England, Wales, and town of Berwick-upon-Tweed, and also in the colonies and plantations abroad, for the term of 14 years pursuant to the statute; with a clause to inroll the same within 4 calendar months from the date thereof. W. H. M. at W., the 13th day of Decr, in the year above. By writ, &c.

SHUDI. 18th Dec. 1769.

947. A grant unto BURKAT SHUDI, harpsichord maker, of his invention of a piece of mechanism or machinery by which the harpsichord is very much improved; to hold to him, his extors, admors, and assigns, thro' England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to enroll the same within 4 calendar months from the date thereof. W. H. M. at W., the 18th day of December, in the year above. By writ, &c.

LERAT. 23rd Dec. 1769.

948. A grant unto CHARLES LERAT, of Newman Street, in the parish of St Mary-le-bone, in the county of Middlesex, surgeon, of his new invented powder, called the poudre unique, of a peculiar effect, to purify the human blood and cure the rheumatism and several other disorders; to hold to him, his exors, admors, and assigns, thro' England, Wales, and town of Berwick-upon-Tweed, and also in ye colonies & plantacons abroad, for the term of 14 years pursuant to the statute; with a clause to inroll the same within 4 calendar months from the date thereof. W. H. M. at W., the 23rd day of Decr, in the year above. By writ, &c.

CLARKE.
5th January 1770.

949. A grant unto DUGALD CLARKE, of the parish of S^{t} Thomas-in-the-East, in the Island of Jamaica, esq^{re}, of his new invented method of constructing and hanging the boiler and of applying the powers of the machine (commonly called a fire or steam engine) to the working of his new constructed sugar cane mill, and of all kinds of mills or engines whatsoever ; to hold to him, his ex̃ors, adm̃ors, and assigns, within England, Wales, and town of Berwick-upon-Tweed, and also in the colonies & plantations abroad, for the term of 14 years pursuant to the statute ; with a clause to inroll the same within 4 calendar months from the date thereof. W. H. M. at W., the 5th day of Jañry, 1770. By writ, &^{c}.

CHAMPION.
9th January 1770.

950. A grant unto JOHN CHAMPION the younger, of Newman Street, in the parish of S^{t} Mary-le-bon, of his new invented method of hatching and rearing of domestic fowls and all other birds by an artificial heat, without the assistance of the mother bird ; to hold to him, his ex̃ors, adm̃ors, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute ; with a clause to inroll the same within 4 calendar months from the date thereof. W. H. M. at W., the 9th day of Jañry, 1770. By writ, &^{c}.

FEARNE.
GRAY.
25th Jan. 1770.

951. A grant unto CHARLES FEARNE, of the Inner Temple, London, and JAMES GRAY, of Saint Margaret's, Westm^{r}, gentlemen, of their new invented method of dying paper, card paper, and white leather on the grain side of various colours, different in quality and superior in many respects to any hitherto used for those purposes ; to hold to them, their ex̃ors, adm̃ors, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within four calendar months from the date thereof. Witness His Maj̃ty at Westm^{r}, the 25th day of January, in the year above. By writ, &^{c}.

WILDEY.
26th Jan. 1770.

952. A grant unto HENRY WILDEY, of the parish of S^{t} Giles-in-the-Fields, in the county of Middlesex, whitesmith, of his new invention of an axletree of a new construction, with a washer, box, and collars, to be fixed on the arms of the axletree, and by jack wheels inclosed in the said box applicable to the common axletrees now in use, but not upon centers ; to hold to him, his ex̃tors, adm̃ors, and assigns, thro' England, Wales, and town of Berwick-upon-Tweed, and also in all the colonies and plantations abroad, for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within four calendar months from the date thereof. W. H. M. at W., the 26th day of Jañry, in the year above. By writ, &^{c}.

EDGEWORTH.
5th Feb. 1770.

953. A grant unto RICHARD LOVEWELL EDGEWORTH, esq^{re}, of his new invented portable rail way or artificial road to move along with any carriage to which it is apply'd ; to hold to him, his ex̃ors, adm̃ors, & assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within four calendar months from the date thereof. W. H. M. at W., the 5th day of Feb^{ry}, in the year above. By writ, &^{c}.

STUARD.
15th March 1770.

954. A grant unto JAMES STUARD, of the parish of Saint John, Wapping, in the county of Middlesex, of his new invented windlass, on a new construction, to raise heavy weights on board ships or vessels, much superior to any machine they now use ; to hold to him, his ex̃ors, adm̃ors, and assigns, within England, Wales, and town of Berwick-upon-Tweed for y^{e} term of 14 years pursuant to the statute ; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at W., the 15th day of March, in the year above. By writ, &^{c}.

ALSOP.
22nd March 1770.

955. A grant unto ROBERT ALSOP, esq^re, of his invention of a new species of embroidery for cloathes (to be manufactured in gold or silver on silk ribband and woollen, linnen, cotton, or mohair,) to match any colour, which he calls loom embroidery; to hold to him, his exors, admors, and assigns, within England, Wales, and town of Berwick-upon-Tweed, and also in the colonies and plantations abroad, for the term of fourteen years pursuant to the statute; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at W., the 22nd day of March, in the year above. By writ, &c.

HOLLINGS.
SMITH.
27th April 1770.

956. A grant unto WILLIAM HOLLINGS, of S^t James's Place, within the parish of S^t James, within the liberty of Westminster and county of Middlesex, apothecary, and ENOS SMITH, of the same parish, ironmonger, of their new invented method of dying wrought and unwrought woollens, linnens, silk, & cottons of various fine blooming colours, which stand the tenters, hot press, sun, wind, and rain, with a liquor extracted from a red wood growing in the West Indies; to hold to them, their extors, admors, & assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within four calendar months from the date thereof. W. H. M. at W., the 27th day of April, in the year above. By writ, &c.

RIZ.
28th April 1770.

957. A grant unto DAVID RIZ, late of Jamaica, but now of London, gent^l, of his new invented lixivium or soap, which washes linnen, cotton, woollen, or silk as effectually as common soap with soft water; also of his stove, which may be portable or fixed, for warming rooms, churches, &c; to hold the same to him, his exors, admors, and assigns, within England, Wales, and town of Berwick-upon-Tweed, and also in all the colonies & plantations abroad, for the term of 14 years pursuant to the statute; with a clause to inroll the same within four calendar months fro' the date thereof. W. H. M. at W., the 28th day of April, in the year above. By writ, &c.

JOHNSON.
23rd May 1770.

958. A grant unto JOHN JOHNSON, of Ludham, in the county of Norfolk, tanner, of his new invented method of tanning leather; to hold to him, his exors, admors, and assigns, within England, Wales, & town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within four calendar months from the date thereof. W. H. M. at W., the 23rd day of May, in the year above. By writ, &c.

SMITH.
25th May 1770.

959. A grant unto JOHN SMITH, of Birmingham, in the county of Warwick, jeweller, of his new invented method of manufacturing gold and silver buttons and studs set with stones, paste, &c, by making the cups out of a solid piece of gold or silver, without sordering, with a new letter link to the buttons to distinguish them from others; to hold to him, his exors, admors, and assigns, within England, Wales, and town of Berwick-upon-Tweed, and also in all the colonies and plantations abroad, for the term of fourteen years pursuant to the statute; with a clause to inroll the same within four calendar months from the date thereof. W. H. M. at W., the 25th day of May, in the year above. By writ, &c.

NOUAILLE.
25th May 1770.

960. A grant unto PETER NOUAILLE, of Greatness, in the parish of Seven Oaks, in the county of Kent, silk throwster, of his new invented method of crossing silk in the throwing by a mechanical and mathematical progressing moving guider, affixed to the reel upon the silk throwing mill, and proceeding in a constant diagenal direction in the formation of the skaine upon the reel, whereby the skaine is made much broader than by the common method, not only in the process of dying, but also in winding and weaving the silk after it

is dyed; to hold to him, his exors, admors, and assigns, within England, Wales, and town of Berwick-upon-Tweed, and also in the colonies and plantations abroad, for the term of fourteen years pursuant to the statute; with a clause to inroll the same within four calendar months from the date thereof. W. H. M. at W., the 25th day of May, in the year above. By writ, &c.

MOORE. 1st June 1770.

961. A grant unto FRANCIS MOORE, of Cheapside, London, linnen draper, of his new invented plough, constructed upon peculiar principles, and capable of being wrought with less force than usual; to hold to him, his exors, admors, or assigns, within England, Wales, and town of Berwick-upon-Tweed, and also in the colonies and plantations abroad, for the term of 14 years pursuant to the statute; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at W., the 1st day of June, in the year above. By writ, &c.

HARGRAVES. 12th June 1770.

962. A grant unto JAMES HARGRAVES, of Nottingham, of his new invented method of making an engine of an intire new construction (never before used) for spinning, drawing, and twisting cotton, to be managed by one person only, which will spin, draw, and twist 16 or more threads at a time by a motion of one hand and a draw of the other; to hold to him, his exors, admors, & assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within 4 calendar months from the date hereof. W. H. M. at W., the 12th day of June, in the year above. By writ, &c.

TETLOW. 15th June 1770.

963. A grant unto JOHN TETLOW, of Shug Lane, in the parish of St James, Westminster, in the county of Middlesex, coachmaster, of his new invented machine for ruling paper for musick & other purposes, which he calls a Tetlow; to hold to him, his exors, admors, & assigns, within England, Wales, and town of Berwick-upon Tweed, and also in the colonies and plantations abroad, for the term of 14 years pursuant to the statute; with a clause to inroll the same within 4 calendar months from the date hereof. W. H. M. at W., the 15th day of June, in the year above. By writ, &c.

STRUTT. STRUTT. 19th July 1770.

964. A grant unto JOSEPH STRUTT, of Prescott Street, in the parish of St Mary Whitechapel, in the county of Middlesex, glass seller, & JEDIDIAH STRUTT, of the parish of St Peter, in the town of Derby, hosier, of their new invented machine for roasting, boiling, and baking, consisting of a portable fire stove, an air jack, & a meet skreen, contrived to move from place to place, & to be used in the field, in ships, and houses, where the stove, jack, & skreen may be separately used; to hold to them, their exors, admors, & assigns, within England, Wales, & town of Berwick-upon-Tweed, & in the colonies & plantations in America, for the term of fourteen years pursuant to the statute; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at W., the 19th day of July, in the year above. By writ, &c.

HARRIS. 21st July 1770.

965. A grant unto THOMAS HARRIS, of the parish of Saint Sepulchre's, in the city of London, watchmaker, of his new invented fancy watch, with an improvement on the pendulum & other parts of the work; to hold to him, his exors, admors, and assigns, within England, Wales, & town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at W., the 21st day of July, in the year above. By writ, &c.

BRIDGES. 10th Aug. 1770.

966. A grant unto DANIEL BRIDGES, of Kingston-upon-Hull, doctor of physick, of his new invented method of refining sperma-cœti, and making

candles thereof superior to others of the same sort; to hold to him, his exors, admors, & assigns, within England, Wales, & town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within four calendar months from the date thereof. W. H. M. at W., the 10th day of August, in the year above. By writ, &c.

CRAWFORD. 10th Aug. 1770.

967. A grant unto MAURICE CRAWFORD, of Edinburgh, coppersmith and brazier, of his new invented method of tinning copper work, which is ten times more durable than the common method; to hold to him, his exors, admors, and assignes, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within 4 calendar months from the date hereof. W. H. M. at W., the 10th day of August, in the year above. By writt, &c.

MILNE. 13th Oct. 1770.

968. A grant unto JOHN MILNE, of Manchester, in the county of Lancaster, wire worker, of his new invented wire cylinder for dressing wheat, barley, & other grain before ground, & also for dressing flour, so contrived as to be worked by geers, & used in wind or water mills; to hold to him, his exors, admors, & assigns, within England, Wales, & town of Berwick-upon-Tweed, and also in all the colonies & plantations abroad, for the term of 14 years pursuant to the statute; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at W., the 13th day of Octor, in the year above. By writ, &c.

OPPENHEIM. 20th Oct. 1770.

969. A grant unto MAYER OPPENHEIM, of Birmingham, in the county of Warwick, merchant, of his new invented method of making a beautiful opaque or red glass; to hold to him, his exors, admors, & assigns, within England, Wales, & town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at W., the 20th day of Octor, in the year above. By writ, &c.

DRURY. 16th Nov. 1770.

970. A grant unto DRU DRURY, of the parish of St Albans, Wood Street, goldsmith, of his new invented method of making silver and other metallic hafts for knives & forks & other work of that kind, by the means of two steel or other hard metallic dyes; to hold to him, his exors, admors, & assigns, within England, Wales, & town of Berwick-upon-Tweed, and also within all the colonies and plantations abroad, for the term of fourteen years pursuant to the statute; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at W., the 16th day of November, in the year above. By writ, &c.

VALLOTTON. 16th Nov. 1770.

971. A grant unto PETER VALLOTTON, of Charing Cross, in the parish of St Martin-in-the-Fields, in the liberty of Westminster, haberdasher and hosier, of his new invented manufacture of stocking or hose gloves, night caps, waistcoat or breeches pieces, &c, to be wove on a common stocking or other frame, or knit with needles, peculiarly adapted for the wear of persons afflicted with the gout, rheumatism, weakness, &c, &c, &c, &c; to hold to him, his exors, admors, and assigns, within England, Wales, & town of Berwick-upon-Tweed, and also in all the colonies and plantations abroad, for the term of 14 years pursuant to the statute; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at W., the 16th day of Novr, in the year above. By writ, &c.

DOMINICETI. 6th Dec. 1770.

972. A grant unto BARTHOLOMEW DOMINICETI, esqre, of Chelsea, in the county of Middlesex, professor of physick, of his invention of a machine

stiled the œconomist, which will with the same fire & at the same time dress from one to twenty different dishes; it will also purify foul and maggotty water, and is possessed of many excellent qualities therein particularly described; to hold to him, his exors, admors, and assigns, within England, Wales, and town of Berwick-upon-Tweed, and also in all the colonies and plantations abroad, for the term of fourteen years pursuant to the statute; with a clause to inroll the same within four calendar months from the date thereof. Witn His M. at W., the 6th day of Decr, in the year above.

By writ, &c.

BAILEY. 7th Dec. 1770.

973. A grant unto THOMAS BAILEY, of Moorfields, London, sadler, of his new invented method of making saddles and saddle cloths of a new construction; to hold to him, his extors, admors, and assigns, within England, Wales, and town of Berwick-upon-Tweed, and also in all the colonies and plantations abroad, for the term of fourteen years pursuant to the statute; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at W., the 7th of December, in the year above. By writ, &c.

CRAWFORD. 20th Dec. 1770.

974. A grant unto THOMAS CRAWFORD, of London, merchant, of his new invented engine for winding silk, thread, & yarn, which will wind and frame silk at one motion and time, and will also wind single, double, & several threads together at once; to hold to him, his exors, admors, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 yres psuant to the statute; with a clause to inroll the same within 4 calendar months from the date hereof. W. H. M. at W., the 20th day of December, in the year above. By writ, &c.

CLARE. 28th Dec. 1770.

975. A grant unto PETER CLARE, of Manchester, in the county of Lancaster, jack maker, of his new invented curious smoke jack, to roast horizontal and perpendicular; to hold to him, his exors, admors, and assigns, within England, Wales, and town of Berwick-upon-Tweed, and also in all the colonies & plantations abroad, for the term of 14 years pursuant to the statute; with a clause to inroll the same within 4 calendar months from the date hereof. W. H. M. at W., the 28th day of Decr, in ye yre above. By writ, &c.

PYEFINCH. 28th Dec. 1770.

976. A grant unto HENRY PYEFINCH, of Cornhill, London, optician, of his new invented method of constructing & making refracting telescopes, with object glasses therein composed of two or more different glasses or mediums, separate from each other, and so placed in the tube that by altering the distance of one from the other the glasses will have greater or less magnifying powers, without destroying the effect arising from the different refractive qualitys of the several mediums, whereby it may be made to suit any eye, weather, &c, to hold to him, his extors, admors, & assigns, within England, Wales, & town of Berwick-upon-Tweed, and also in the colonies and plantations abroad, for the term of 14 years pursuant to the statute; with a clause to inroll the same within 4 calendar months from the date hereof. W. H. M. at W., the 28th day of December, in the year above.

By writ, &c.

HAXBY. 28th Dec. 1770.

977. A grant unto THOMAS HAXBY, of York, musical instrument maker, of his new invented single harpsichord, to answer all the purposes of a double one, and sell for the common price of a single one; to hold to him, his exors, admors, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within 4 calendar months from the date hereof. W. H. M. at W., the 28th day of Decr, in the year above. By writ, &c.

RICHTER. 28th Dec. 1770.

978. A grant unto JOHN RICHTER of his new invented art or method of inlaying scaglialier or plaister upon marble and metals to imitate flowers, birds, &c; to hold to him, his exors, admors, & assigns, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within 4 calendar months from the date hereof. W. H. M. at W., the 28th day of Decr, 1770. By writ, &c.

TURTON. 2nd Jan. 1771.

979. A grant unto JOHN TURTON, of the city of Bristol, ironmonger, of his new invented method of making maneelas with cast iron; to hold to him, his exors, admors, & assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within 4 calendar months from the date hereof. W. H. M. at W., the 2nd day of Jañry, in the year above. By writ, &c.

STARKEY. 17th Jan. 1771.

980. A grant unto GEORGE STARKEY, of Dunkirk, gent., of his new invented secret of preparing glass, stones, shell, coral, horne, and bone for painting & gilding in a manner entirely new; to hold to him, his extors, admors, and assigns, within England, Wales, & town of Berwick, & also in all the colonies & plantations abroad, for the term of 14 years psuant to the statute; with a clause to inroll the same within 4 calendar months from the date hereof. W. H. M. at W., the 17th day of Jañry, in the year above. By writ, &c.

BAYLEY. 17th Jan. 1771.

981. A grant unto WILLIAM BAYLEY, of the parish of Saint Martin, in the county of Middlesex, perfumer, of his new invented method of preparing a composition in cakes, rolls, or balls, or in any other solid form, for making, by the addition of water only, a shining liquid blacking for shoes, boots, or other leather; to hold to him, his executors, admors, & assigns, within England, Wales, & town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within 4 calendar months from the date hereof. W. H. M. at W., the 17th day of Jañry, in the year above. By writ, &c.

BENTINCK. COLE. 17th Jan. 1771.

982. A grant unto JOHN BENTINCK, esquire, Captain in His Majesty's Royal Navy, and WILLIAM COLE, of the parish of Saint Mary, Lambeth, in the county of Surry, engine maker, of their chain pump, entirely upon a new construction, for raising water out of ships, or draining of lands, or for any other purpose where a chain pump can be applied or made of use; to hold to them, their executors, admors, & assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within 4 calendar months from the date hereof. W. H. M. at W., the 17th day of Jañry, in the year above. By writ, &c.

ALDERSEY. 26th Feb. 1771.

983. A grant unto THOMAS ALDERSEY, of Saint Olave, Southwark, in the county of Surrey, looking glass manufacturer, of his new invented machine for grinding and polishing plate glass; to hold to him, his exors, admors, & assigns, within England, Wales, & town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Wr, the 26th day of Febry, in the year above. By writ, &c.

DRING. 6th March 1771.

984. A grant unto JOHN DRING, of Tooley Street, Southwark, in the county of Surry, grocer, of his new invented method of compounding roasted coffee and making the same into a cake and solid body, not subject to decay or loose its quality, and which will dissolve in and mix with water without grinding or scraping; to hold to him, his exors, admors, and assigns, within England, Wales, the town of Berwick-upon-Tweed, and all the colonies and

plantations abroad, for the term of fourteen years pursuant to the statute; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at W^{r}, the sixth day of March, in the year above.

By writ, &^{c}.

ECKHARDT. 23rd March 1771.

985. A grant unto ANTHONY GEORGE ECKHARDT, of the city of London, gen^{t}, of his new invented rolling parallel ruler, either with or without scales, sliding pen, and pencil, for the purposes of drawing and dividing, not only parallel lines, but also perpendiculars, circles, and angles of all degrees, which can be measured, divided, and determined at first sight, and all geometrical problems drawn and plans laid down in perspective thereby; to hold to him, his ex̃ors, adm̃ors, & ass^{s}, within England, Wales, the town of Berwick-upon-Tweed, and all the colonies and plantations abroad, for the term of fourteen years pursuant to the statute; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at W^{r}, the twenty-third day of March, in the year above. By writ, &^{c}.

EDGELL. 22nd April 1771.

986. A grant unto JAMES EDGELL, gentleman, of his new invented water engine, made principally of wood, (except the air vessell belonging,) which will throw a constant stream of water with great force and at a great distance, and will be very useful in extinguishing fires; to hold to him, his ex̃ors, adm̃ors, & ass^{s}, within England, Wales, & town of Berwick-upon-Tweed for y^{e} term of 14 years pursuant to the statute; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at W^{r}, the 22nd day of April, in the year above. By writ, &^{c}.

NORTON. 2nd May 1771.

987. A grant unto EARDLEY NORTON, of S^{t} John Street, in the parish of S^{t} Sepulchre, in the county of Middlesex, clock and watch maker, of his new invented clock, which strikes the hours and parts upon a principle intirely new, and a watch which repeats the hours and parts, so concisely contrived as to admit of being conveniently contained, not only in a watch, but also its appendage, such as a key, seal, or tricket; to hold to him, his ex̃ors, adm̃ors, and ass^{s}, within England, Wales, the town of Berwick-upon-Tweed, and all the colonies and plantations abroad, for the term of 14 years pursuant to the statute; with aclause to inroll the same within four calendar months from the date hereof. W. H. M. at Westm^{r}, the second day of May, in the year above.

By writ, &^{c}.

COCKSHUTT. 2nd May 1771.

988. A grant unto JOHN COCKSHUTT, of Wortley Ironworks, in the county of York, ironmaster, of his new invented art of making malleable iron directly from the ore, with sea coals or pit coals in a finery or bloomery, without pursuing those tedious and expensive methods now in practice for the making of iron; and also of his new invented method of refining sow, pig, or cast iron with charcoal into wrought or bar iron, so as to perform the same better and with much greater expedition and less consumption of charcoal than can be done by any other method now or heretofore known and practiced; and also of his new invented finery or bloomery for the making and refining of iron, much better adapted for the purpose than those which now are or have at any time been in use in these kingdoms; to hold to him, his ex̃ors, adm̃ors, and assigns, within England, Wales, the town of Berwick-upon-Tweed, and all the colonies and plantations abroad, for the term of fourteen years pursuant to the statute; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westm^{r}, the 2nd day of May, in the year above. By writ, &^{c}.

WAKEFIELD. 2nd May 1771.

989. A grant unto RICHARD WAKEFIELD, late of the borough of Tamworth, in the countys of Warwick and Stafford, gentleman, of his new invented

method of tuneing and keeping in tune all kinds of harpsichords, spinnets, forte pianes, &c; to hold to him, his exors, admors, and asss, within England, Wales, the town of Berwick-upon-Tweed, and all the colonies and plantations abroad, for the term of 14 years pursuant to the statute; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Wr, the 2nd day of May, in the year above. By writ, &c.

WORTH. 28th May 1771.

990. A grant unto JOHN WORTH, of Diss, in the county of Norfolk, chemist, of his new invented method, found out for the purpose of preserving ships from the worms, of a cement for the paying of the sides and bottoms of the said ships, and likewise for preserving of buildings, &c, made of wood and exposed to the weather in the different branches of agriculture and commerce; to hold to him, his exors, admors, and assigns, within England, Wales, the town of Berwick-upon-Tweed, and all the colonies and plantations abroad, for the term of 14 yrs pursuant to the statute; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Wr, the 28th day of May, in the year above. By writ, &c.

MARCH. HORTON. 25th June 1771.

991. A grant unto RICHARD MARCH, of the parish of St Clement Danes, in the county of Middlesex, hosier, and WILLIAM HORTON, of the parish of Saint Mathew, Bethnal Green, in the same county, frame smith, of their new invented instrument or machines, upon principles entirely new and different from any heretofore used, for making of a certain work called knitted, knotted, or double-looped work, for the making of stocking, breeches pieces, and gloves of silk, thread, cotton, and worsted, either together or separate; to hold to them, their exors, admors, & asss, within England, Wales, the town of Berwick-upon-Tweed, and all the colonies and plantations abroad, for the term of 14 years pursuant to the statute; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westmr, the 25th day of June, in the year above. By writ, &c.

ASHTON. 25th June 1771.

992. A grant unto JOSEPH ASHTON, of Birmingham, in the county of Warwick, caster, of his new invented method of casting and making of the following nails; vizt, sheathing, rose, sharp, trunck, bullen hob, scupper, clout, Flemish, and sparrow-bill nails from pig iron, commonly called cast metal; to hold to him, his exors, admors, and assigns, within England, Wales, the town of Berwick-upon-Tweed, and all the colonies and plantations abroad, for the term of fourteen years pursuant to the statute; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westmr, the 25th day of June, in the year above. By writ, &c.

HERIOT. 2nd July 1771.

993. A grant unto JAMES HERIOT, of the parish of Saint Alphage, London Wall, in the city of London, of his new invented method of supplying with oil branches, sconces, and lamps, which is esteemed by proper judges to be the best improvement of those kinds for burning of oil since they were first invented; to hold to him, his exors, admors, and asss, within England, Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westmr, the second day of July, in the year above. By writt, &c.

STORY. 18th July 1771.

994. A grant unto JAMES STORY, of North Shields, in the county of Northumberland, shipwright, of his new invented machine for relieving all ships of our Royal Navy, merchant ships, and other trading vessels, as also coal mines and other mines that are in the least troubled with water; which invention or machine, by the force of one pound weight, raises 50 pounds as many feet high as ye sd one pound descends low, and yt ye power of it may be

increased or decreased just as the persons using it shall please, insomuch that one man will thereby be able to pump as much or more water out of any ship, mine, or pit, as could be done within y^e^ like time before by 30 men, by which means various misfortunes y^t^ otherwise might happen to our subjects may now be effectually prevented ; that y^e^ s^d^ invention or machine may be likewise used for conveying water into towns and citys, for grinding of malt and corn, working of forge hammers, and slitting of iron ; to hold to him, his ex̃ors, adm̃ors, & ass^s^, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to y^e^ statute; with a clause to inroll y^e^ same within four calendar months from the date hereof. W. H. M. at Westm^r^, the 18^th^ day of July, in the year above. By writ, &^c^.

Eckhardt. 29th July 1771.

995. A grant unto Anthony George Eckhardt, of London, gentleman, of his new invented portable table, with double or single folding flaps and folding feet, and also a new portable chair, which are so contrived as to answer all the purposes of the common tables and chairs, and at the same time to lye in the compass of a small box, which will be of the greatest use to His Majesty's Navy and Army, and to all seafaring people, as well as to His Majestys subjects in general ; to hold to him, his ex̃ors, adm̃ors, and ass^s^, within England, Wales, the town of Berwick-upon-Tweed, and all the colonies and plantations abroad, for the term of 14 years pursuant to the statute ; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westm^r^, the 29^th^ day of July, in the year above. By writ, &^c^.

Brand. 10th August 1771.

996. A grant unto Robert Brand, of Long Acre, truss maker, of his new invented instrument or machine, which he calls a traverse elastick truss or bandage, for the relief of persons of either sex or any age who are afflicted with ruptures either in the groin or navel, and which is of greater relief to any person afflicted with such disorder, and sits with greater ease on the patient, and greatly varies from any instrument or machine hitherto invented for that disorder, certificates of which he hath in his custody, of divers eminent physicians and surgeons, and others, residing in London and other parts of Great Britain ; to hold to him, his ex̃ors, adm̃ors, & ass^s^, within England, Wales, the town of Berwick-upon-Tweed, and all the plantations and colonies abroad, for the term of 14 years pursuant to the statute ; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westm^r^, the 10^th^ day of August, in the year above. By writ, &^c^.

Jacob. 17th Sept. 1771.

997. A grant unto Joseph Jacob the younger, of Saint Mary Ax, London, coachmaker, of his new invented method for the better construction of wheel carriages ; to hold to him, his ex̃ors, adm̃ors, and assigns, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute ; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westm^r^, the 17^th^ day of Sep^r^, in the year above. By writ, &^c^.

Samuel. 2nd Nov. 1771.

998. A grant unto Sam Samuel, of Walworth, in the parish of Saint Mary, Newington Butts, in the county of Surry, Spanish leather dresser and stainer of leather, of his new invented method of dying and staining goat skins, kid, calf skins, sheep skins, lamb skins, and hides of all sorts, in the following colours ; (to wit,) in lobster red, rose red, scarlett, crimson, and morocco ; in light green, gay green, laurell green, molequin green, deep green, caladon green, parrot green, duckwing green, saxon green, sea green, pea green, cabbage green, and grass green ; in milk blue, pearl blue, pale blue, flat blue,

midling blue, sky blue, king's blue, queen's blue, turkish blue, and purple blue ; in straw yellow, pale yellow, lemon yellow, and orange yellow, and in chocolate colour and coffee colour ; to hold to him, his exors, admors, and assigns, within England, Wales, the town of Berwick-upon-Tweed, and all the plantations and colonies abroad, for the term of 14 years pursuant to the statute ; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westmr, the 2nd day of Novr, in the year above. By writ, &c.

Moore. Pine. 6th Nov. 1771.

999. A grant unto Isaac Moore, of Queen Street, Upper Moorfields, and William Pine, of the city of Bristol, letter founders, printers, and partners, of their new invented method of casting cases in metal for holding and containing metallic letters or printing types of a peculiar construction, to fix in the said cases, for marking or printing on silk, muslin, linnen, woollen, leather, paper, parchment, and vellum, together with raised letters for signs, monumental inscriptions, and other purposes ; and also new invented printing presses, the plattens whereof are made of iron and other metals, as well as wood, and are suspended and counteracted by a ballance or weight ; to hold to them, their exors, admors, and asss, within England, Wales, the town of Berwick-upon-Tweed, and all the colonies and plantations abroad, for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westmr, the 6th day of Novr, in the year above. By writ, &c.

Goodyer. 20th Dec. 1771.

1000. A grant unto James Goodyer, of Guildford, in the county of Surry, ironmonger, of his new invented art of making steel directly from pig or cast iron ; to hold to him, his exors, admors, and asss, within England, Wales, the town of Berwick-upon-Tweed, and all the colonies and plantations abroad, for the term of 14 years pursuant to the statute ; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westmr, the 20th day of Decr, in the year above. By writ, &c.

Lovelace. 31st Jan. 1772.

1001. A grant unto William Lovelace, of Charles Square, Hoxton, in the parish of Saint Leonard, Shoreditch, in the county of Middlesex, watchmaker, of his new invention or discovery of the art of making gut string, for violins and other musical instruments, commonly called Roman strings, equally perfect with those imported from Italy ; to hold to him, his, exors, admors, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westmr, the 31st day of Jany, in the year above. By writ, &c.

Gale. 1st Feb. 1772.

1002. A grant unto Thomas Gale, of the parish of Saint Mary-le-Strand, in the county of Middlesex, cabinet maker and upholder, of his new invented bedsteads on an entire new plan and construction, calculated and contrived for the general ease and convenience of His Majesty's subjects who may be inclined or desirous to make use of the same ; to hold to him, his exors, admors, & asss, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute ; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westmr, the 1st day of Febry, in the year above. By writ, &c.

Wright. Byrne. 4th Feb. 1772.

1003. A grant unto Thomas Wright, of the parish of Saint John, Clerkenwell, in the county of Middlesex, watchmaker, and Charles Byrne, of the parish of Saint Andrew by the Wardrobe, in the city of London, gunmaker, of their new invented construction of guns and all other fire arms, much

preferable to any hitherto made, being capable of carrying their shot much further, of loading and priming much quicker, and of preventing the disagreeable effects of recoiling; to hold to them, their exors, admors, and assigns, within England, Wales, the town of Berwick-upon-Tweed, and all the colonies and plantations abroad, for the term of 14 years pursuant to the statute; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westmr, the 4th day of Febry in the year above.

By writ, &c.

HENRY. 6th Feb. 1772.

1004. A grant unto SOLOMON HENRY, of Swithins Lane, London, merchant, of his new invented instrument or machine which will in a great measure prevent burglaries, and will also prevent fires from spreading, by giving immediate notice to the inhabitants of any dwelling house that may be attacked or in which any fire may break out, whereby the lives and properties of His Majestys subjects may be preserved, and which, in case housebreakers, notwithstanding the familys being alarmed, shall be bold enough to persist, will detect them; to hold to him, his executors, administrators, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westmr, the 6th day of Febry, in the year above. By writ, &c.

CHASE. 12th Feb. 1772.

1005. A grant unto SAMUEL CHASE, of Luton, in the county of Bedford, surgeon, of his new discovered medical cure for almost all scorbutick disorders and their natural eruptive consequences, but more particularly for ulcerated and other sore legs, so frequently complained of in this kingdom, arising from the before-mentioned primary causes; which said medical process consists in giving by regular turns an electuary mixture and drops internally, and by the application of a digestive liniment and cerate externally; to hold to him, his exors, admors, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westmr, the 12th day of Febry, in the year above. By writ, &c.

SCOTT. MACKAY. 4th March 1772.

1006. A grant unto DANIEL SCOTT, of Westminster, in the county of Middlesex, gentleman, and JOHN MACKAY, of Ravenhead, in the county of Lancaster, esqre, of their new invented method of making salt from sea water or brine by steam; to hold to them, their executors, administrators, and assigns, within England, Wales, the town of Berwick-upon-Tweed, and all the plantations and colonies in parts beyond the seas, for the term of fourteen years pursuant to the statute; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westmr, the 4th day of March, in the year above. By writ, &c.

ADKIN. ADKIN. TAYLOR. WALKER. 14th March 1772.

1007. A grant unto JOSEPH ADKIN the elder, of Manchester, in the county of Lancaster, shuttlemaker, JOSEPH ADKIN the younger, of the same place, turner, and CHARLES TAYLOR, and THOMAS WALKER the younger, both of the same place, merchants, of their new invented machine or engine for stamping and printing of paper, silk, woolen, cotton, and linnen cloths, and other articles made of silk, wool, cotton, or linnen; to hold to them, their exors, admors, and asss, within England, Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westmr, the 14th day of March, in the year above. By writ, &c.

BURROWS. 17th March 1772.

1008. A grant unto JOHN BURROWS, of the parish of St James, Westminster, in the county of Middlesex, doctor in physick, of his new invented medicine, commonly called or known by the name of Velno's vegetable syrup,

and of making and manufacturing the same from several rare and valuable vegetables and drugs; to hold to him, his exors, admors, and assigns, within England, Wales, the town of Berwick-upon-Tweed, and all the colonies and plantations abroad, for the term of 14 years pursuant to the statute; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westmr, the 17th day of March, in the year above.

By writ, &c.

UNWIN.
23rd March 1772.

1009. A grant unto SAMUEL UNWIN, of Sutton-in-Asfield, in the county of Nottingham, bleacher, of his new invented machine, engine, or instrument for winding, doubling, and running of silk, thread, cotton, and worsted, and also linen, woolen, and all other kinds of yarns, which will be much more useful and advantageous to the publick than any machine, engine, or instrument hitherto invented; to hold to him, his exors, admors, & assigns, within England, Wales, the town of Berwick-upon-Tweed, and all the colonies and plantations abroad, for the term of 14 years pursuant to the statute; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westmr, the 23rd day of March, in the year above. By writ, &c.

HOMER.
3rd April 1772.

1010. A grant unto MARK HOMER, of Hoxton, in the parish of Saint Leonard Shoreditch, in the county of Middlesex, plater and gold and silver worker, of his new invented grate or stove with its appurtenances, made of metal plated with silver, with or without ornaments of enamell or lapis lazuli; to hold to him, his exors, admors, & assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westmr, the third day of April, in the year above. By writ, &c.

WHITLOCK.
HODGSON.
3rd April 1772.

1011. A grant unto WILLIAM WHITLOCK, of the parish of Saint Paul's, Covent Garden, embroiderer, and WILLIAM HODGSON, of the parish of Saint Andrew's, Holbourn, carver, both in the county of Middlesex, of their new invented composition, to which they give the name of artificial wood, applicable to the various purposes of carving, casting, and modelling; to hold to them, their executors, admors, & ass^{s}, within England, Wales, the town of Berwick-upon-Tweed, and all the plantations and colonies abroad, for the term of 14 years pursuant to the statute; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westmr, the third day of April, in the year above. By writ, &c.

ROWLEY.
7th April 1772.

1012. A grant unto JAMES ROWLEY, of the parish of Saint Martin Ludgate, in the city of London, wine merchant, of his new invented method of making playing cards, printed from engravings on copper, after entire new designs, in oil colours, with a peculiar kind of ink which will bear the leesing or polish necessary to be given to playing cards, which no other ink known to the printers or card makers is capable of; to hold to him, his executors, admors, & ass^{s}, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westmr, the 7th day of April, in the year above. By writ, &c.

CRUMPLER.
15th April 1772.

1013. A grant unto JOHN CRUMPLER, of the city of London, gauze-weaver, of his new invented method of throwing silk, to make crape and tiffany to imitate and resemble what is imported from Italy under those names; and also a new engine or machine for dressing such silk when so thrown and wove, to finish, compleat, and make the same in every respect equal to the

Italian; to hold to him, his exors, admors, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within four calendar months from the date hereof. Witness His Majesty at Westmr, the 15th day of April, in the year above. By writ, &c.

Clais. 30th April 1772.

1014. A grant unto John Sebastian Clais, of Denmark Street, in the parish of Saint Giles-in-the-Fields, in the county of Middlesex, clock maker, of his new invented machine or engine, called an index ballance, for weighing money or any other materials without shifting the weights; to hold to him, his exors, admors, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westmr, the 30th day of April, in the year above. By writ, &c.

Van Haacke. 30th April 1772.

1015. A grant unto Christian Wilhem Baron Van Haacke, of the city of Rochester, in the county of Kent, of his new invented secret art or mystery in extracting and making from a certain mineral several compositions, called mineral tar and mineral oil, which he substitutes instead of tar or liquid pitch, intended and used for the bottoms and other parts of ships and navigable vessells, also vitriol, saltpeter, lampblack, and caput mortuum of the said mineral; to hold to him, his exors, admors, and asss, within England, Wales, the town of Berwick-upon-Tweed, and all the plantations and colonies abroad, for the term of 14 years pursuant to the statute; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westmr, the 30th day of April, in the year above. By writ, &c.

Rawlinson. 22nd May 1772.

1016. A grant unto Chas Rawlinson, of Lestwithiel, in the county of Cornwall, architect, of his new invented method for covering any kind or form of buildings with slates, laid in such a manner and with such materials as will want little or no repair while the timbers remain good; that such covering cannot be rifled by wind, or hurt by frost, hail, or snow, or admit of any water penetrating from the strongest driving rains; that it will save a third part of the expence of covering with rag stones or large slates according to the methods now practiced, and will likewise save a third part in timber; and that the covering under this new discovered design will not exceed one half the weight, as in the common manner of slating, the pitch or height of the roof not rising more than one quarter part of the span or breadth of the building, which will reduce the quantity in measure one ninth part of the general manner of slating, and will be far superior in beauty to any method ever yet executed; and that the same has never been invented by any other person; to hold to him, his exors, admors, and asss, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westmr, the 22nd day of May, in the year above. By writ, &c.

Dollond. 22nd May 1772.

1017. A grant unto Peter Dollond, of Saint Pauls Churchyard, London, optician, of his new invented method of adjusting the glasses of and otherwise improving a certain instrument, commonly called Hadley's quadrant, otherwise Hadley's sectant, much used in navigation, for taking the sun's altitude in order to determine the latitude, and for measuring the heavenly bodies from each other in order to determine the longitude at sea; that the said instrument called Hadley's quadrant, otherwise Hadley's sectant, hath often proved useless for want of a proper method of adjusting the glasses thereof; that by the said new invention the said instrument called Hadley's quadrant, otherwise Hadley's sectant, is rendered much more useful and perfect for taking the

suns altitude, and for measuring the distance of the heavenly bodies, for determining the longitude, and by a new method of placing darkening glasses before or behind the horizon glasses, so that the image which is seen by direct vision may be darkened occasionally; to hold to him, his ex̃ors, adm̃ors, and assigns, within England, Wales, and town of Berwick upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westm^{r}, the 22nd day of May, in the year above. By writ, &^{c}.

WOOD.
11th June 1772.

1018. A grant unto CONIAH WOOD, of the town and county of the town of Nottingham, turner, of his new invented machine or engine of an entire new construction, and never before made use of, whereby the spinning of wool and Jersey tow and flax into thread or yarn may be performed in a far more expeditious manner than the same hath hitherto ever been done; that by the said machine or engine a great number of threads may be spun at one and the same time on a number of spoals; and that the said machine or engine may be managed by one person alone; to hold to him, his ex̃ors, adm̃ors, & ass^{s}, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westm^{r}, the 11th day of June, in the year above. By writ, &^{c}.

TUTIN.
13th June 1772.

1019. A grant unto WILLIAM TUTIN, of Birmingham, in the county of Warwick, buckles maker, of his new invented method of japanning mourning buckles of a blue cast or colour so as to equal and far exceed in cheapness and wear the common blue coloured mourning buckles, which are so coloured by the heat of the fire, and which are liable to be damaged by wet, which the japanned ones are not; to hold to him, his ex̃ors, adm̃ors, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westm^{r}, the 13th day of June, in the year above. By writ, &^{c}.

WALKER.
29th July 1772.

1020. A grant unto ADAM WALKER, of Manchester, in the county palatine of Lancaster, teacher of natural philosophy, of his new invented method of producing continued tones from the wire strings of an harpsichord, and thereby remedied the acknowledged defect of these kinds of instruments, giving them all the powers of musical expression which the organ, violin, lyrichord, or harmonica are capable of; and that he can adapt this improvement, which he calls a cœlestina, to any harpsichord, without altering either the form of the instrument or any of its stops, by adding a new piece of mechanism to it, of which he hath been the sole inventor; to hold to him, his ex̃ors, adm̃ors, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westm̃^{r}, the 29th day of July, in the year above. By writ, &^{c}.

WEBSTER.
31st July 1772.

1021. A grant unto ROBERT WEBSTER, of Whitby, in the county of York, watchmaker, of his new invented repeater or repeating watch, of a peculiar and much more simple construction than any invention of the like nature hitherto found out; to hold to him, his ex̃ors, adm̃ors, & assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westm^{r}, the 31st day of July, in the year above. By writ, &^{c}.

TAYLOR. BRIDGE. 11th Aug. 1772.

1022. A grant unto HENRY TAYLOR, of the city of Quebec, in North America, chymist and apothecary, and THOMAS BRIDGE, of Bread Street, London, drugg merchant, of their new invented method of producing an essence or extract so perfect, that one pound and a quarter will make sixty gallons of fine spruce beer, which will be fit to drink in three days in any climate ; to hold to them, their ex̃ors, adm̃ors, and assigns, within England, Wales, the town of Berwick-upon-Tweed, and all the colonies and plantations abroad, for the term of 14 years pursuant to the statute ; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westm^r^, the 11^th^ day of Aug^st^, in the year above. By writ, &^c^.

ECKHARDT. 27th Aug. 1772.

1023. A grant unto ANTHONY GEORGE ECKHARDT, of the city of London, gentleman, of his new invented water-wheel for draining fenns and low lands, constructed in an inclined instead of a vertical position as commonly used, which will raise double the quantity of water and to double the heighth of any other wheel of the same dimensions now in use, with this particular advantage, that the wheel turning either way raises the water to two particular heights, and by valves the water may be raised from the extreme height of the power of the wheel to different mesn heights that particular occasions may require, the quantity so raised always increasing in proportion as the height required is diminished ; and also a new water engine that may be worked by wind and horses separately, for raising water to any height and discharging the same nearly on a level to its receptacle, which requires less force, and discharges, by means of long simicircular buckets, more water in a less given time than any other hydraulick machine now in use, particularly adapted for draining of fenns and other large bodies of water where it's required to be raised to a greater height than the water-wheel above mentioned is capable of ; to hold to him, his ex̃ors, adm̃ors, and ass^s^, within England, Wales, the town of Berwick-upon-Tweed, and all the colonies and plantations abroad, for the term of 14 years pursuant to the statute ; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westm^r^, the 27^th^ day of Aug^st^, in the year above. By writ, &^c^.

WILLIAMS. 15th Oct. 1772.

1024. A grant unto RICHARD WILLIAMS, of the parish of Saint Margaret, Westminster, in the county of Middlesex, gentleman, of his new invented method of manufacturing goods with cotton whoofs on woollen, linen, or cotton warps, and dressing such goods with a long shag on their surface ; to hold to him, his ex̃ors, adm̃ors, and ass^s^, within England, Wales, the town of Berwick-upon-Tweed, and all the colonies and plantations abroad, for the term of 14 years pursuant to the statute ; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westm^r^, the 15^th^ day of October, in the year above. By writ, &^c^.

BUDGE. 5th Nov. 1772.

1025. A grant unto JOHN BUDGE, of Camborne, in the county of Cornwall, engineer, of his new invented machine for raising metals, minerals, or other heavy materials from great depths by the assistance of horses, or by water movement, with a less degree of strength and labour, being effected by means of a double scrole or barrel upon an inserted principle, having at the same time an increasing and decreasing power, gathering and acquiring strength as it draws ; to hold to him, his ex̃ors, adm̃ors, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westm^r^, the 5^th^ day of Nov^r^, in the year above. By writ, &^c^.

BUTLER. 13th Nov. 1772.

1026. A grant unto JAMES BUTLER, of the city of Litchfield, in the county of Stafford, coachmaker, of his new invented wheels, the spokes of which are

constructed of springs, and calculated for the more easy travelling of coach carriages, &c, &c, which he imagines will be of publick utility ; to hold to him, his exors, admors, & assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute ; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westmr, the 13th day of Novr, in the year above.

By writ, &c.

CLAY. 20th Nov. 1772.

1027. A grant unto HENRY CLAY, of Birmingham, in the county of Warwick, japanner, of his new invented method of making or manufacturing japanned high varnished pannels or roofs for coaches and all sorts of wheel carriages and sedan chairs, pannels for rooms, doors, and cabins of ships, cabinets, book cases, and screens, chimney pieces, tables, tea trays and waiters, cadees, tea chests, and dressing boxes, in paper ; to hold to him, his exors, admors, & ass^s. within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute ; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westmr, the 20th day of Novr, in the year above. By writ, &c.

FOXON. 5th Dec. 1772.

1028. A grant unto WILLIAM FOXON, of Deptford, in the county of Kent, carpenter, of his new invented machine for measuring a ship's way, which he apprehends will be of great use in navigation ; to hold to him, his exors, admors, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westmr, the 5th day of Decr, in the year above. By writ, &c.

WARREN. 17th Dec. 1772.

1029. A grant unto RICHARD WARREN, of Marybone Street, in the parish of Saint James's, in the liberty of Westminster and county of Middlesex, perfumer, of his new invented medicinal and chimical mixture or composition from divers salutary ingredients, called or intended to be called the volatile essence of lavender ; to hold to him, his exors, admors, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute ; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westmr, the 17th day of December, in the year above. By writ, &c.

COLLINS. 18th Jan. 1773.

1030. A grant unto BENJAMIN COLLINS, of the city of New Sarum, in the county of Wilts, of his new invented composition of snuff, called and known by the name of cordial cephalick snuff, which he humbly conceives will be greatly conducive to the health of His Majesty's subjects ; to hold to him, his exors, admors, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westmr, the 18th day of Jañry, in the year above.

By writ, &c.

HEMET. 22nd Jan. 1773.

1031. A grant unto JACOB HEMET, of the parish of Saint Pancras, in the county of Middlesex, dentist, of his new invented essence of pearl and pearl dentifrice, which by repeated experience he hath found to be extremely effectual in preserving the teeth and gums and remedying the disorders to which they are subject, which he humbly apprehends will be of very considerable benefit to great numbers of His Majesty's subjects ; to hold to him, his exors, admors, and ass^s, within England, Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westmr, the 22nd day of Jañry, in the year above.

By writ, &c.

MERLIN.
29th Jan. 1773.

1032. A grant unto JOSEPH MERLIN, of Little Queen Ann Street, in the parish of Saint Mary-le-bone, in the county of Middlesex, mathematical instrument maker, of his new invented light portable spring jack, which goes one hour and three quarters, having a reflector to increase the heat so as to save two thirds of the usual firing, which he humbly conceives will be of great publick utility; to hold to him, his exors, admors, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westmr, the 29th day of Jany, in the year above. By writ, &c.

WELDEN.
2nd March 1773.

1033. A grant unto PATRICK WELDEN, of the city of Dublin, merchant, of his new invented method of bleaching and whitening linen and yarn by a composition entirely new, whereby they will be bleached and whitened better, cheaper, and in less than half the time at present imployed in bleaching and whitening them; to hold to him, his exors, admors, and assigns, within England, Wales, the town of Berwick-upon-Tweed, and all the colonies and plantations abroad, for the term of 14 years pursuant to the statute; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westmr, the 2nd day of March, in the year above. By writ, &c.

WOOLLERY.
2nd March 1773.

1034. A grant unto EDWARD WOOLLERY, late of the parish of Westmoreland, in the island of Jamaica, but now of the kingdom of Great Britain, esquire, of his new invented mill for the grinding sugar canes upon a different modell from any hitherto made use of for that purpose; that the said mill being worked in the common way, either with water, wind, or cattle, will do considerable more execution than the mills heretofore made use of, and will by that means save every sugar estate a large capital and a considerable annual contingency; in approbation whereof the Honble House of Assembly of Jamaica voted the sum of £300 sterling to be paid to the said Edward Woollery, to be by him laid out in a piece of plate; to hold to him, his exors, admors, and assigns, within England, Wales, the town of Berwick-upon-Tweed, and all the colonies and plantations abroad, for the term of 14 years pursuant to the statute; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westmr, the 2nd day of March, in the year above. By writ, &c.

IRWIN.
5th March 1773.

1035. A grant unto JAMES IRWIN, confectioner, of the parish of Saint George, Hanover Square, in the county of Middlesex, of his new discovered method, never before used, of making black currant drops and lozenges of fruits, which, being of great efficacy in the cure of sore throats, obstinate coughs, and hoarsenesses, he conceives may be of great benefit to His Majesty's subjects; to hold to him, his exors, admors, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westmr, the 5th day of March, in the year above. By writ, &c.

HEYS.
19th March 1773.

1036. A grant unto JOHN HEYS, of the township of Clayton, in the county of Lancaster, chapman, of his new invented method of making lees and ashes from marl and other materials for bleaching of cloth and yarn, and for the use of soapers, dyers, and others; to hold to him, his exors, admors, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westmr, the 19th day of March, in the year above. By writ, &c.

HARTLEY. 1st April 1773.

1037. A grant unto DAVID HARTLEY, of Golden Square, in the parish of Saint James, in the county of Middlesex, esq^re^, of his new invented method of securing buildings and ships against the calamities of fire, which he apprehends will prove of the greatest publick benefit in protecting the lives and properties of His Majesty's subjects against such fatal accidents; to hold to him, his ex̃ors, adm̃ors, and assigns, within England, Wales, the town of Berwick-upon-Tweed, and all the colonies and plantations abroad, for the term of 14 years pursuant to the statute; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westm^r^, the 1^st^ day of April, in the year above. By writ, &^c^.

HAYWARD. 1st April 1773.

1038. A grant unto FRANCIS HAYWARD, of Hackney, in the county of Middlesex, gentleman, of his new invented manufacture of stuff or cloath made of hemp, linnen, or cotton yarn, of different colours, and variously figured and striped, known in Italy under the name of rensetti, rigati, rasati, spinati, and operati, and which he intends to call or denominate (rensetty) proper to be used as cloathing, especially in summer and in hot countrys, and also for furniture; to hold to him, his ex̃ors, adm̃ors, and assigns, within England, Wales, the town of Berwick-upon-Tweed, and all the colonies and plantations abroad, for the term of 14 years pursuant to the statute; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westm^r^, the 1^st^ day of April, in the year above. By writ, &^c^.

ARCHER. 3rd April 1773.

1039. A grant unto SAMUEL ARCHER, of Goswell Street, in the city of London, diamond cutter, of his new invented mock pearl, made from mother of pearl, shell, and glass, to represent the natural large pearl, which he apprehends will be of publick utility; to hold to him, his ex̃ors, adm̃ors, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westm^r^, the 3^rd^ day of April, in the year above. By writ, &^c^.

LIARDET. 3rd April 1773.

1040. A grant unto JOHN LIARDET, of Great Suffolk Street, in the parish of Saint Martin-in-the-Fields, in the city of Westminster, clerk, of his new invented composition or cement for all the branches concerning buildings to which the same is applicable, with a grease for frictions, preserving steel, iron, and various other uses; to hold to him, his ex̃ors, adm̃ors, and assigns, within England, Wales, the town of Berwick-upon-Tweed, and all the colonies and plantations abroad, for the term of 14 years pursuant to the statute; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westm^r^, the 3^rd^ day of April, in the year above. By writ, &^c^.

BARBER. 21st April 1773.

1041. A grant unto JOHN BARBER, of Stainsby House, in the county of Derby, esq^re^, of his new invented machine, with the apparatus thereunto belonging, which, by fire, water, air, and steam, will purify fossil coal, extract metals from their ores, and collect their particles when volatizied by heat; to hold to him, his ex̃ors, adm̃ors, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westm^r^, the 21^st^ day of April, in the year above. By writ, &^c^.

GLENTON. CLEMETSHAW. 23rd April 1773.

1042. A grant unto MATTHEW GLENTON, of Boroughbridge, in the county of York, innkeeper, and WILLIAM CLEMETSHAW, of Aldborough, in the said county, whitesmith, of their new invented iron oven, with a grate and regulator to add or diminish heat, to be placed in a particular manner on the

backside of a common range fire, so as to bake every necessary article upon a more certain principle than any other oven yet known ; meat baked therein is as sweet as if roasted before the fire, no addition of coals or other fuel necessary, nor is the house endangered thereby ; this oven needs no flue, is adapted to every family, and will be of general publick utility ; to hold to them, their exors, admors, and assigns, within England, Wales, the town of Berwick-upon-Tweed, and all the colonies and plantations abroad, for the term of 14 years pursuant to the statute ; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westmr, the 23rd day of April, in the year above. By writ, &c.

SMITH. 15th May 1773.

1043. A grant unto JOACHIM SMITH, of the parish of Saint Paul, Covent Garden, in the county of Middlesex, gentleman, of his new invented machine, which he calls a retreat or escape, for the more expeditious, safe, and easy conveying persons and valuables out of a house when on fire ; which machine is in itself so simple that any person may manage it, and make it ready for use in the space of one minute ; and by this contrivance grown persons and children, however helpless, may be conveyed out of a house without the least danger or dread of falling ; and, should necessity require it, one person may go up the machine at the same time that another person is coming down ; to hold to him, his exors, admors, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute ; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westmr, the 15th day of May, in the year above. By writ, &c.

GULLETT. 17th June 1773.

1044. A grant unto CHRISTOPHER GULLETT, of Tavistock, in the county of Devon, gentleman, of his new invented hydraulic engine, to answer the purpose of whims and cranes for drawing up ores and other weights from mines and other deep places, and to be worked by water only ; to hold to him, his exors, admors, and assigns, within England, Wales, the town of Berwick-upon-Tweed, and all the colonies and plantations abroad, for the term of 14 years pursuant to the statute ; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westmr, the 17th day of June, in the year above. By writ, &c.

PRESTON. 24th June 1773.

1045. A grant unto THOMAS PRESTON, of Stratford, in the county of Essex, callicoe printer, of his new discovered art of printing all sorts of colours, compleat and fixed in the first impression, upon all kinds of silks and sattins, and linnen, woollen, and cotton mixed with silk, upon all kinds of linnens, cottons, and callicoes, upon all kinds of woollen goods, upon silk velvets, cotton velvets, and cotton velverets, without the tedious process of boyling and bleaching ; to hold to him, his exors, admors, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute ; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westmr, the 24th day of June, in the year above. By writ, &c.

GEDDES. 8th July 1773.

1046. A grant unto ALEXANDER GEDDES, of Petty France, in the parish of Saint Margaret, Westminster, in the county of Middlesex, esqre, of his new invented fire balcony, which is very different from anything hitherto used, and in which several persons may, in cases of fire, be safely conveyed to the ground from any part of the house whereto the same shall be affixed, and that in every expeditious manner and with little trouble ; to hold to him, his exors, admors, and assigns, within England, Wales, the town of Berwick-upon-Tweed, and all the colonies and plantations abroad, for the

term of 14 years pursuant to the statute; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westm^{r}, the 8th day of July, in the year above. By writ, &^{c}.

DANFORTH. 19th July 1773.

1047. A grant unto THOMAS DANFORTH, of Charlestown, in the county of Middlesex, in the province of Massachusets Bay, in New England, gentl., of his new invented method to save the great expence that the distillers of all kinds of spirits are at to condense the vapour or steams arising in distillation in the worm, tube, or steam vessell of any form, and to keep cold water for that purpose constantly applied (if desired) around the worm, streight tube, or steam vessell, of any shape or figure, as every one shall prefer; to hold to him, his ex̃ors, adm̃ors, and assigns, within England, Wales, the town of Berwick-upon-Tweed and all the colonies and plantations abroad, for the term of 14 years pursuant to the statute; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westm^{r}, the 19th day of July, in the year above. By writ, &^{c}.

SMALL. 22nd July 1773.

1048. A grant unto WILLIAM SMALL, of Birmingham, in the county of Warwick, doctor of physick, of his new invented method of constructing time pieces of much more simplicity than hath hitherto been in use; this simplicity depends upon employing sectors or racks or levers instead of wheels, scapements instead of pinions, roughened circumferences instead of teeth, fixed studds or pins instead of axes, circles with verniers divisions instead of hands, and occasionally centrifugal hydraulic machines instead of ballances; to hold to him, his ex̃ors, adm̃ors, and assigns, within England, Wales, the town of Berwick-upon-Tweed, and all the colonies and plantations abroad, for the term of 14 years pursuant to the statute; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westm^{r}, the 22nd day of July, in the year above. By writ, &^{c}.

VAN HAAKE. 30th July 1773.

1049. A grant unto CHRISTIAN WILHEM Baron VAN HAAKE, of the city of Rochester, in the county of Kent, of his new invented composition, called by the name of Baron Van Haake's composition, which is productive of the very important and invaluable effect, not only for a certain and speedy but a cheap and durable cultivation of manuring and improving arable land, meadow, and pasture ground; to hold to him, his ex̃ors, adm̃ors, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westm^{r}, the 30th day of July, in the year above. By writ, &^{c}.

FAYNARD. 3rd August 1773.

1050. A grant unto JAMES FAYNARD, of the parish of Saint Margaret, Westminster, in the county of Middlesex, gentleman, of his new invented powder, never yet made publick, for the immediate stoping all violent bleeding, internal or external; that the same will be of great benefit to mankind in general, and of particular service in His Majesty's army and fleet in time of war; to hold to him, his ex̃ors, adm̃ors, and ass^{s}, within England, Wales, the town of Berwick-upon-Tweed, and all the colonies and plantations abroad, for the term of 14 years pursuant to the statute; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westm^{r}, the 3rd day of Augst, in the year above. By writ, &^{c}.

MELVILL. 5th August 1773.

1051. A grant unto JOHN MELVILL, of the island of Tobago, planter, of his new invented machine or stove engine, which can be made of any form whatever, for the more easy, cheap, and expeditious method of either boiling sugar, soap, or other articles which require to be boiled in large vessels, or distilling all kinds of liquors; to hold to him, his ex̃ors, adm̃ors, and assigns,

within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westm^r, the 5^th day of August, in the year above. By writ, &^c.

HURLISTON. 5th August 1773.

1052. A grant unto PETER HURLISTON, of Lincoln's Inn, in the county of Middlesex, peruke maker, of his new invented perriwig, which he calls an elastick perriwig, and which will be of great service to the publick, and greatly differs from any perriwigg heretofore invented; to hold to him, his ex̃ors, adm̃ors, and assigns, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westm^r, the 5^th day of Aug^st, in the year above. By writ, &^c.

ANDREW. 31st Aug. 1773.

1053. A grant unto JOHN ANDREW, of Aldersgate Street, London, surveyor, in the ex̃cise of his new invented portable equilibrio, statick, and hydrostatick machine or ballance for weighing any thing, particularly gold, without weight or scale, and also for discovering the value of gold; to hold to him, his ex̃ors, adm̃ors, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westm^r, the 31^st day of August, in the year above. By writ, &^c.

JESSON. WRIGHT. 30th Oct. 1773.

1054. A grant unto RICHARD JESSON and JOHN WRIGHT, of West Bromwich, in the county of Stafford, ironmasters, of their new invented way of making malleable iron from pig or sow metal, commonly called cast iron, and from scull and cinder iron or other cast metal, with raw coals or coaks, without charcoal, and without granulations, mixture of fluxes, or other infusions; to hold to them, their ex̃ors, adm̃ors, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within four months from the date hereof. W. H. M. at Westm^r, the 30^th day of Oct^r, in the year above. By writ, &^c.

DOVEY. 15th Nov. 1773.

1055. A grant unto RICHARD DOVEY, of the parish of Saint Clement Danes, in the county of Middlesex, goldsmith, of his new invented method of making a metal of the colour and in all respects resembling gold; to hold to him, his executors, administrators, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westm^r, the 15^th day of November, in the year above. By writ, &^c.

CHRISEL. 17th Nov. 1773.

1056. A grant unto CHRISTOPHER CHRISEL, of the parish of Saint George, in the county of Gloucester, engineer, of his new invented method of constructing and setting boilers of any dimensions for the use of fire engines, salt works, brewhouses, distilleries, soap houses, sugar houses, and sugar works; to hold to him, his ex̃ors, adm̃ors, and assigns, within England, Wales, the town of Berwick-upon-Tweed, and all the colonies and plantations abroad, for the term of 14 years pursuant to the statute; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westm^r, the 17^th day of Nov^r, in the year above. By writ, &^c.

FLEMING. 18th Dec. 1773.

1057. A grant unto JOHN FLEMING, of the Minories, in the city of London, mill carpenter, of his new invented machine or engine for pressing sugar

canes and squeesing the juice therefrom, which is actuated by wheels upon a peculiar and much more simple construction, and will be much more advantageous to the publick than any other invention of the like nature; to hold to him, his exors, admors, and assigns, within England, Wales, the town of Berwick-upon-Tweed, and all the colonies and plantations abroad, for the term of 14 years pursuant to the statute; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westmr, the 18th day of Decr, in the year above. By writ, &c.

PICKERING. 20th Dec. 1773.

1058. A grant unto JOHN PICKERING, of the parish of Saint James, Clerkenwell, in the county of Middlesex, toymaker, of his new invented method of making, with paper, ornaments for the inside and outside of buildings and ships and for all sorts of furniture, resembling wood carving, tho' more beautiful and durable; to hold to him, his exors, admors, and assigns, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westmr, the 20th day of December, in the year above. By writ, &c.

GILCHRIST. 14th Jan. 1774.

1059. A grant unto WILLIAM GILCHRIST, of the Island of Jamaica, planter, of his new invented mill for grinding of sugar canes with greater expedition and at less expence than by any other method hitherto practised; to hold to him, his exors, admors, and assigns, within England, Wales, the town of Berwick-upon-Tweed, and all the colonies and plantations abroad, for the term of 14 years pursuant to the statute; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westmr, the 14th day of January, in the year above. By writ, &c.

JOHNSTON. 18th Jan. 1774.

1060. A grant unto THOMAS JOHNSTON, of Derry, in the county of Tipperary, in the kingdom of Ireland, farmer, of his new discovered durable preparation for staining horses and other animals, by means whereof horses of the most different colours may be made to match exactly; the cattle to which it is applied will be thereby secured from the troublesome attacks of flies and other insects, and may be privately marked in such a manner as no thief can efface without disfiguring the horse or other animal marked with it; to hold to him, his exors, admors, and assigns, within England, and Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westmr, the 18th day of Jañry, in the year above. By writ, &c.

FORDYCE. 27th Jan. 1774.

1061. A grant unto GEORGE FORDYCE, of the parish of Saint Clement Danes, in the county of Middlesex, doctor in medicine, of his new invented method of preparing blood, so as to preserve those qualities which render it useful in the making of sugar for a great length of time and in any climate; to hold to him, his exors, admors, and assigns, within England, Wales, the town of Berwick-upon-Tweed, and all the colonies and plantations abroad, for the term of 14 years pursuant to the statute; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westmr, the 27th day of January, in the year above. By writ, &c.

NOUAILLE. 27th Jan. 1774.

1062. A grant unto PETER NOUAILLE, of London, merchant, of his new invented method of making silk strings for all sorts of stringed musical instruments; to hold to him, his exors, admors, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westmr, the 27th day of January, in the year above. By writ, &c.

WILKINSON. 27th Jan. 1774.

1063. A grant unto JOHN WILKINSON, of Brosely, in the county of Salop, ironmaster, of his new invented method of casting and boring iron guns or cannon, which he hath proved upon repeated trials to be a great improvement, and will be of publick utility and safety; to hold to him, his exors, admors, & assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westmr, the 27th day of Janry, in the year above. By writ, &c.

OXENHAM. 10th Feb. 1774.

1064. A grant unto HUGH OXENHAM, of Carnaby Market, Saint James's, carpenter and mangle maker, of his new invented mangle of an entirely new construction, made with sliding collars, wood or metle springs, rollers cogged with iron or pinning wheels, to answer all the purposes of mangles without the incumbrance of weight, and will stand in a third part of the room of common mangles; to hold to him, his exors, admors, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westmr, the 10th day of February, in the year above. By writ, &c.

JACOB. 14th Feb. 1774.

1065. A grant unto JOSEPH JACOB the younger, of Saint Mary Axce, London, coachmaker, of his new invented method for ornamenting all sorts of carriages, sedan chairs, buildings, furniture, musical instruments, books and toys; to hold to him, his exors, admors, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westmr, the 14th day of February, in the year above. By writ, &c.

ECKHARDT. 28th Feb. 1774.

1066. A grant unto ANTHONY GEORGE ECKHARDT, of Suffolk Street, Charing Cross, gentleman, of his new invented method of printing in designs all manner of silks, cottons, muslings, callicoes, and papers; to hold to him, his executors, administrators, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westminster, the twenty-eighth day of February, in the year above. By writ, &c.

GIFFIN. 11th April 1774.

1067. A grant unto THOMAS GIFFIN, of Fenchurch Street, in the city of London, pewterer, of his new invented method of manufacturing tin foil by a machine never before used for that purpose; to hold to him, his executors, administrators, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westmr, the 11th day of April, in the year above. By writ, &c.

STORER. 14th April 1774.

1068. A grant unto WILLIAM STORER of his new invented art of making, chasing, or imbossing in lead all sorts of girandoles, frames for pier glasses, tabletts, friezes, and brackets for chimney pieces and rooms, and of hardening the same, that such ornaments are rendered as durable as if made of copper or other metals; to hold to him, his executors, admors, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westmr, the 14th day of April, in the year above. By writ, &c.

SHORT.
27th April 1774.

1069. A grant unto THOMAS SHORT, of the parish of Saint Clement Danes, in the county of Middlesex, optician, of his new invented method of making reflecting telescopes with more than two speculums, to be used by the same person at the same time, whereby the magnifying power and the uses thereof are greatly heightened and increased, and also of enabling two persons to view the same object at the same time with one and the same telescope; to hold to him, his exors, admors, and assigns, within England, Wales, the town of Berwick-upon-Tweed, and all the colonies and plantations abroad, for the term of 14 years pursuant to the statute; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westm^{r}, the 27th day of April, in the year above. By writ, &c.

JACKSON.
19th May 1774.

1070. A grant unto JOSEPH JACKSON, of Liverpool, in the county of Lancanter, pawnbroker, of his new discovered invention of the working of a water mill by the force of water from any river or place where the tide ebbs and flows, at all times, whether at high or low water, or whether the tide ebbs or flows, by a particular contrivance and invention of conveying the water to and from the wheel, by which means the wheel is in constant motion, and never stops but at the managers pleasure; to hold to him, his exors, admors, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westm^{r}, the 19th day of May, in the year above. By writ, &c.

BLACK.
27th May 1774.

1071. A grant unto GEORGE BLACK, of Berwick-upon-Tweed, locksmith, of his new invented lock and latch, to be affixed to a door for the purpose of raising the same from the floor over a carpet, or to give air to a room without opening the door; to hold to him, his exors, admors, and ass^{s}, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westm^{r}, the 27th day of May, in the year above. By writ, &c.

BLANCH.
17th June 1774.

1072. A grant unto JOHN BLANCH, of the parish of Saint George, Bloomsbury, in the county of Middlesex, carver and gilder, of his new invented hydrostatick pump or engine on a new construction, which will answer the purpose of a common pump, and for extinguishing fire, watering roads, gardens, &c, and will be very useful on board of ships as an head pump, which may be worked with much less strength, and will force more water, than any other engine now in use; to hold to him, his exors, admors, and assigns, within England, Wales, the town of Berwick-upon-Tweed, and all the colonies and plantations abroad, for the term of 14 years pursuant to the statute; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westm^{r}, the 17th day of June, in the year above. By writ, &c.

BROTHERSTON.
22nd June 1774.

1073. A grant unto PETER BROTHERSTON, of the town of Leith, in that part of His Majesty's kingdom of Great Britain called Scotland, gentleman, of his new invented machine or engine for the working and making all kinds of lace; and also a machine or engine for working and making all kinds of nets from various materials, and of every kind and fabrick; and by which said machines or engines the said respective works are done with more expedition, and at a less expence than by the methods now practised; to hold to him, his exors, admors, and assigns, within England, Wales, the town of Berwick-upon-Tweed, and all the colonies and plantations abroad, for the term of 14 years pursuant to the statute; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westm^{r}, the 22 day of June, in the year above. By writ, &c.

SHEPLEY. 27th June 1774.

1074. A grant unto GEORGE SHEPLEY, of Horseley Down, in the borough of Southwark, leather dresser, of his new discovered and introduced millstones, which, placed horizontally and worked with wind or water, will reduce to powder bark for tanning leather, and Brazil wood, logwood, fustick, madder, indigo, saltpetre, and all other woods, drugs, roots, minerals, and colours used in dying, in a quicker, less expensive, and better manner than the present method; to hold to him, his exors, admors, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westmr, the 27th day of June, in the year above. By writ, &c.

MARTIN. 19th July 1774.

1075. A grant unto JOSHUA LOVER MARTIN, of Fleet Street, in the city of London, optician, of his new invented spring screw fastning for sashes, which he presumes will be of great use and service to the publick in general; to hold to him, his exors, admors, and assigns, within England, Wales, the town of Berwick-upon-Tweed, & all the colonies and plantations abroad, for the term of 14 years pursuant to the statute; with a clause to inroll the same within 4 calendar months from the date hereof. W. H. M. at W., the 19th day of July, the year above. By writ, &c.

WADHAM. 27th July 1774.

1076. A grant unto JOHN WADHAM, of the parish of Saint George-in-the-East, in the county of Middlesex, of his new invented machine, called a tea fountain, constructed so as to answer the purpose of a tea pott and urn together, and will fill any number of cups or other vessels almost instantaneously, without the trouble of pouring; to hold to him, his exors, admors, and assigns, within England, Wales, the town of Berwick-upon-Tweed, and all the colonies and plantations abroad, for the term of 14 years pursuant to the statute; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westmr, the 27th day of July, in the year above. By writ, &c.

WHITEHOUSE. 31st Aug. 1774.

1077. A grant unto ISAAC WHITEHOUSE, of Birmingham, in the county of Warwick, enameller, of his new invented method of making coat buttons, breast buttons, sleeve buttons, vest and other buttons, studs, bracelets, necklaces, lockets, rings, watch chains, boxes, and trinkets; to hold to him, his exors, admors, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westmr, the 31st day of August, in the year above. By writ, &c.

HANNAY. 1st Sept. 1774.

1078. A grant unto SAMUEL HANNAY, of Philpott Lane, in the city of London, chymist, of his new invented medicine, consisting of a liquid, which, by washing the part, in men, any time within eight hours after coition, absolutely prevents the communication of the venereal disease, let it be of any degree or virulence whatsoever; to hold to him, his exors, admors, and assigns, within England, Wales, the town of Berwick-upon-Tweed, and all the colonies and plantations abroad, for the term of 14 years pursuant to the statute; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westmr, the 1st day of Septr, in the year above. By writ, &c.

N.B.—Ld Chancellor refused to let this pass the Great Seal.

EDGELL. 10th Sept. 1774.

1079. A grant unto JAMES EDGELL, of Frome Shelwood, in the county of Somerset, gentleman, of his new invented compound ballance or engine, by which waggons and other carriages, and also all heavy goods, wares, and mer-

chandizes, may be weighed with ease, dispatch, and accuracy; to hold to him, his exors, admors, and assigns, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westmr, the 10th day of September, in the year above.

By writ, &c.

HENRY.
12th Sept. 1774.

1080. A grant unto SOLOMON HENRY, of Swithin's Lane, in the city of London, merchant, of his new invented instrument or machine for weighing the coin of this kingdom, and also for ascertaining whether the said coin is counterfeited, or any base metal mixed therewith, which he presumes will be of great use and service to the publick in general; that the said instrument or machine is constructed on easy and simple principles, very different from any that have ever yet been contrived, and does not depend on hydrostaticks; to hold to him, his exors, admors, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westmr, the 12th day of Sepr, in the year above. By writ, &c.

MERLIN.
12th Sept. 1774.

1081. A grant unto JOSEPH MERLIN, of Little Queen Ann Street, in the parish of Saint Mary-le-Bone, in the county of Middlesex, mathematical instrument maker, of his new invented kind of compound harpsicord, in which, besides the jacks with quills, a set of hammers, of the nature of those used in the kind of harpsicords called piano forte, are introduced in such manner that either may be played separately or both together, at the pleasure of the performer; and for adding the aforesaid hammers to an harpsicord of the common kind already made, so as to render it such compound harpsicord; to hold to him, his exors, admors, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westmr, the 12th day of Sepr, in the year above. By writ, &c.

NELME
alias
CYNELME.
12th Sept. 1774.

1082. A grant unto LEMUEL DOLE NELME (otherwise CYNELME), of Craven Street, in the Strand, gentleman, of his new invented alarm, whereby sedan chairs, coaches, chariots, post chaises, and other carriages may be immediately stopped, and their attendants summoned in cases of imminent danger; to hold to him, his exors, admors, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westmr, the 12th day of September, in the year above. By writ, &c.

BARBER.
BARBER.
20th Oct. 1774.

1083. A grant unto ROBERT BARBER and THOMAS BARBER, of the parish of Billborough, in the county of Nottingham, gentlemen, of their new invented engine or machine for heckling, turning, dressing, dividing, spinning, and twisting into threads or wires different kinds of vegetable, animal, and fossil substances, which, by being connected with a weaving loom, and worked by men, horses, cattle, fire, air, or water, may with uncommon expedition be applied to working, warping, and weaving various patterns and shapes usefull to society; to hold to them, their exors, admors, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at W., the 20th day of Octr, in the year above. By writ, &c.

SANDERSON. 27th Oct. 1774.

1084. A grant unto MATTHEW SANDERSON, of Masbrough, in the parish of Rotherham & county of York, chymist and refiner, of his new invented certain cheap ingredients (never before used for any such purpose), which, being mixed with metallick earths or clays, and poor, flinty, sulphureous, and stubborn ores of lead and copper and slag, and when brought into a state of fusion, occasions the metallick particles thereof to be precipitated, and by the help of a high blast furnace (capable of holding a large quantity of crude materials), blown with two or three large or hollow iron cylindric bellows, worked by a water wheel, to smelt with great ease, and to extract double the quantity of metal hitherto extracted from a like quantity of the same materials; to hold to him, his exors, admors, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westm^r, the 27^th day of October, in the year above. By writ, &c.

HATCHETT. 10th Nov. 1774.

1085. A grant unto JOHN HATCHETT, of the parish of Saint Martin-in-the-Fields, in the liberty of Westminster, in the county of Middlesex, coachmaker, of his new invented method of making ornaments, such as arms, supporters, borders, cyphers, and all manner of flowers and other ornaments, to add to the flowers for coaches and other carriages; such ornaments in general are to be pierced on copper plates or any other metal or composition as shall be thought most proper for that purpose; when pierced, then to be painted thereon, gilt, glaz'd, bronz'd, inlayed, or colored, as may be most approved of, to be fixt or laid upon all manner of coach and other carriages; and that the said copper plates or any other metal or composition, with the painting thereon, after being pierced and contrived or invented, to be putt on and take off of any coach or any other carriage when required, when the ground of a body of any coach or any other carriage shall or may be wanted to be new painted, gilt, or varnished; to hold to him, his exors, admors, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westm^r, the 10^th day of Nov^r, in the year above. By writ, &.

CAMPBELL. 11th Nov. 1774.

1086. A grant unto ROBERT CAMPBELL, of the parish of Saint Giles-in-the-Fields, in the county of Middlesex, cabinet maker, of his new invented method of making library steps, to be contained in writing tables, library tables, and dining tables, with or without handrails, and with or without desks on the top, and also in card tables, breakfast tables, and ladies dressing tables, or in any other tables, and in chairs or stools, upon entire new principles; to hold to him, his exors, admors, and assigns, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westm^r, the 11^th day of Nov^r, in the year above. By writ, &c.

PINTO. 17th Nov. 1774.

1087. A grant unto FRANCIS PINTO, of Wells Street, in the parish of S^t Mary-le-bone, in the county of Middx, gentleman, of his new invented pump of a new construction and upon new principles, to be work'd by fire, by means whereof water may be rais'd to any heighth and in any quantity occasion may require; that this new invented pump will be extremely useful in all mines and coal pits, for draining marshes, watering meadows, filling canals, and will be of great advantage to the navy in case of springing a leak or other accidents; to hold to him, his exors, admors, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the

statute; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westm^r, the 17^th day of Nov^r, in the year above. By writ, &c.

MARTIN. 25th Nov. 1744.

1088. A grant unto JOSHUA LOVER MARTIN, of Fleet Street, in the city of London, optician, of his new invented capital improvement on a certain instrument, commonly called Hadley's quadrant, or sea octant and sextant, so that the said instrument will be much more usefull and beneficial than it has hitherto been; to hold to him, his ex̃ors, adm̃ors, and assigns, within England, Wales, the town of Berwick-upon-Tweed, and all the colonies and plantations abroad, for the term of 14 years pursuant to the statute; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westm^r, the 25^th day of Nov^r, in the year above. By writ, &c.

JAMES. 25th Nov. 1774.

1089. A grant unto ROBERT JAMES, of Bruton Street, in the county of Middlesex, doctor in physick, of his new invented certain medicine called Doctor James's analeptick pills, being a sovereign remedy for rheumatism, whether seated externally or internally, for indigestions, crudities in the stomach from intemperance, loss of appetite, habitual costiveness, giddiness in the head, troublesome flatulencies in the stomach and bowels, and cholicks thence arising; as also for gouty habits, where the stomach and head are affected, and for all kinds of bilious disorders, lowness of spirits, and nervous complaints, as well as in those disorders occasioned by a sedentary life; to hold to him, his ex̃ors, adm̃ors, and assigns, within England, Wales, the town of Berwick-upon-Tweed, and all the colonies and plantations abroad, for the term of 14 years pursuant to the statute; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westm^r, the 25^th day of Nov^r, in the year above. By writ, &c.

WATSON. 26th Nov. 1774.

1090. A grant unto SAMUEL WATSON, of Baslow, in the parish of Bakewell, in the county of Derby, millstone maker, of his new invented handmill or machine made of stone or marble, which effectually grinds and prepares wheat and other grain for all sorts of bread, malt for brewing, oats, peas, beans, and other grain for horses and cattle, and may be very beneficially used for various other purposes; and the said mill or machine may be worked by animal as well as by other powers; to hold to him, his ex̃ors, adm̃ors, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westm^r, the 26^th day of Nov^r, in the year above. By writ, &c.

UNDERWOOD. 14th Dec. 1774.

1091. A grant unto FRANCIS UNDERWOOD, of Ampthill, in the county of Bedford, plumber and glazier, of his new discovered method of casting and working into frames of any figure or size for small bar sashes, fan-lights, sky-lights, or any other lights, doors, or partitions, a compound which will in every respect answer the purpose of wood, iron, brass, or copper, a method never before put in practice, and which will be of great utility to the publick, both in improvement and in reduction of the prices of sash and other glass frames; to hold to him, his ex̃ors, adm̃ors, and assigns, within England, Wales, the town of Berwick-upon-Tweed, and all the colonies and plantations abroad, for the term of 14 years pursuant to the statute; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westm^r, the 14^th day of December, in the year above. By writ, &c.

GILLESPY. 28th Dec. 1774.

1092. A grant unto SAMUEL GILLESPY, of Brownlow Street, in the parish of Saint Giles-in-the-Fields, in the county of Middlesex, harpsichord maker,

of his new constructed principle of putting on the quills to strike the strings of a harpsichord with a peddle and swell, which raises the top, brings on the tone, and swells a new celestial stop, at the same time preserving the instrument compleat; to hold to him, his exors, admors, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westmr, the 28th day of Decr, in the year above. By writ, &c.

CHADWICK. 28th Dec. 1774.

1093. A grant unto CHARLES CHADWICK, of Salford, in the county of Lancaster, manufacturer, of his new invented method of flowering and figuring of cotton velvet, cotton and linen velvet, silk velvet, silk and cotton velvet, silk and cotton sattins, plain cottons and silks, silks and sattins, or any other goods made and manufactured of silk, cotton, and linen, or any or either of them, cotton velverets, cotton and linen velverets, cotton and silk velverets, cotton thicksets, cotton and linen thicksets, cotton corderoys, cotton and linen corderoys, cotton jeans, cotton jennetts, cotton and linen jeans, cotton and linen jennets, silk and cotton jeans, silk and linen jeans, or any other dimities or piece goods manufactured with linen and cotton, after the same are made in the piece, whereby the purchaser may be supplied with such goods at a much less expence than those flowered in the loom, and the silk and cotton manufactory greatly encouraged; to hold to him, his exors, admors, and assigns, within England, Wales, and town of Berwick-upon-Tweed, for the term of 14 years pursuant to the statute; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westmr, the 28th day of Decr, in the year above. By writ, &c.

PANTER. 31st Jan. 1775.

1094. A grant unto WILLIAM PANTER, of Mincing Lane, London, gentleman, of his new invented mill for husking of coffee; to hold to him, his exors, admors, and assigns, within England, Wales, the town of Berwick-upon-Tweed, and all the colonies and plantations abroad, for the term of 14 years pursuant to the statute; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westmr, the 31st day of Jañry, in the year above. By writ, &c.

NOCK. JOVER. GREEN. 8th April 1775.

1095. A grant unto HENRY NOCK, of the parish of Saint Andrew, Holborn, in the county of Middx, gun lock smith, WILLIAM JOVER, of Long Acre, in the parish of Saint Martin-in-the-Fields, in the county of Middlesex aforesaid, gun maker, and JOHN GREEN, of the city of London, gentleman, of their new invented fire lock, more portable and safe than any ever before made, the lock of which is so concealed that there is not the least appearance of it on the outside, nor any spark of fire or smoak arises from the same which will in any respect affect or obstruct the sight of the object when in execution, the smoak being conveyed through a tube made for that purpose; that the gun (or other fire arms on this construction) will do the same service in extreme rainy, hazey, snowy, or windy weather, as any other gun (or other fire arms) now used will in fine calm weather; that the prime is so secured that the piece may be laid without any cover in the open rain for a whole day or more, without being, by reason of such rain, in the least obstructed or impeded in the firing off or discharging the same; that the said invention is so simply contrived that the person who uses the said gun (or any other fire arms on this construction) may in any open field take the barrell from the lock with great ease, which renders the barrell exceedingly easy to be cleaned, as there is no obstruction of a breech pin as in other guns or fire arms; that to prevent accidents which too often happen by guns or other fire arms being carelessly left loaded & taken hold of by unskilful persons, they have invented a leaver that sets the lock in motion, which instantly can be taken away, and

thereby disengages the action of the gun (or any other fire arms on the same construction); that there is a very great conveniency for gentlemen or others travelling in carriages, by having said gun (or other fire arms on the same construction), it being quite safe from going off without the application of the leaver, which may be applied in a moment; that the said new invented fire lock may be used either to a gun, pistol, cannon, or any other instrument of fire arms whatever, which hath either one, two, three, or more barrells; to hold to them, their exors, admors, and assigns, within England, Wales, the town of Berwick-upon-Tweed, and all the colonies and plantations abroad, for the term of 14 years pursuant to the statute; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westmr, the 8th day of April, in the year above. By writ, &c.

Trentam. Jones. 22nd April 1775.

1096. A grant unto Thomas Trentam and Francis Jones, of the town of Nottingham, hosiers and copartners, of their new invented method of making and manufacturing double-course frame-work stockings, mitts, gloves, caps, and pieces for coats, waistcoats, and breeches, upon a stocking frame, in gold, silver, silk, mohair, cotton, thread, worsted, yarn; and of carding, sheering, trimming, and dressing such double-course frame-work goods; to hold to them, their exors, admors, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westmr, the 22nd day of April, in the year above. By writ, &c.

Sheward. 10th June 1775.

1097. A grant unto William Sheward, of Redditch, in the county of Worcester, worsted needle maker, of his new invented method of making needles, with the eyes thereof upon a new and particular construction; to hold to him, his exors, admors, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westmr, the 10th day of June, in the year above. By writ, &c.

Hawkins. 10th June 1775.

1098. A grant unto Charles Hawkins, of the city of Hereford, sadler, of his new invented pillion or mail pillion, so constructed as not to lye or bear on the loyns or weaker part of the horse's back on which it may be put, and which he apprehends will be of publick utility, and the use of which, instead of those in present practice, will be a most material relief to that noble and useful animal; to hold to him, his exors, admors, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westmr, the 10th day of June, in the year above. By writ, &c.

Rawlinson. 12th June 1775.

1099. A grant unto George Rawlinson, of Drayton-in-the-Clay, in the county of Leicester, builder, of his new invented mills or engines for the cleansing, splitting, grinding, and dressing of beans, peas, wheat, and all other sorts of corn, grain, and flour, to be worked either by men or horses, wind, or water, with the greatest accuracy and dispatch; to hold to him, his exors, admors, and assigns, within England, Wales, the town of Berwick-upon-Tweed, and all the colonies and plantations abroad, for the term of 14 yrs pursuant to the statute; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westmr, the 12th day of June, in the year above. By writ, &c.

HARRINGTON. 24th June 1775.

1100. A grant unto SARAH HARRINGTON, wife of Thomas Harrington, of Hercules Buildings, Lambeth, in the county of Surrey, gent^{n}, of her new invented method of taking and reducing shadows, with appendages and apparatus never before known or used in the above art, for the purpose of taking liknesses, furniture, and decorations, either the internal or external part of rooms, buildings, &^{c}, in miniature, so as to bear an exact, striking, and most accurate resemblance and true mathematical proportion of the original, which by this her discovery is not only rendered mechanical, but may be accomplished in a much less time than by any drawing whatsoever, and also to a greater nicety and truth, and at one quarter of the expence ; to hold to her, her ex̃ors, adm̃ors, & ass^{s}, within England, Wales, the town of Berwick-upon-Tweed, and all the colonies and plantations abroad, for the term of 14 years pursuant to the statute ; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westm^{r}, the 24th day of June, in the year above. By writ, &^{c}.

O'KEEFE. 1st Aug. 1775.

1101. A grant unto OWEN O'KEEFE, of Long Acre, in the parish of Saint Martin-in-the-Fields, in the county of Middlesex, of his new invented carriage for coaches, chariots, chaises, waggons, and all manner of vehicles, to be used with four or three wheels ; to hold to him, his ex̃ors, adm̃ors, and assigns, within England, Wales, the town of Berwick-upon-Tweed, and all the colonies and plantations abroad, for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westm^{r}, the 1st day of Augst, in the year above. By writ, &^{c}.

IZON. WHITEHURST. 3rd Oct. 1775.

1102. A grant unto JOHN IZON and THOMAS WHITEHURST, of the parish of Aston, near Birmingham, in the county of Warwick, brass founders and partners, of a new invented method of casting all sorts of hinges ready jointed, or with false knuckles or joints and pins, in cast iron ; to hold to them, their ex̃ors, adm̃ors, and assigns, within England, Wales, and town of Berwick-upon-Tweed, for the term of 14 years pursuant to the statute ; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westm^{r}, the 3rd day of Oct^{r}, in the year above. By writ, &^{c}.

BANCROFT. 23rd Oct. 1775.

1103. A grant unto EDWARD BANCROFT, of Downing Street, Westminster, doctor in physick, and fellow of the Royal Society, of his new discovered certain vegetables, growing spontaneously in His Majesty's American dominions, and never, as the said Edward Bancroft believes, used for any art, trade, or manufacture within Great Britain, excepting by him and those employed by him, are capable of dying, staining, printing, painting, or otherwise communicating certain valuable colours in, upon, or to wool, hair, fur, silk, hemp, cotton, linen, skins, leather, paper, and wood, and to the several productions, manufactures, and substances composed of the same, or to any one or more of them, whereby considerable advantages will result to the commerce and manufactures of His Majesty's kingdom ; to hold to him, his ex̃ors, adm̃ors, and assigns, within England, Wales, and town of Berwick-upon-Tweed, for the term of 14 years pursuant to the statute ; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westm^{r}, the 23rd day of October, in the year above. By writ, &^{c}.

DE BRUGES. 27th Oct. 1775.

1104. A grant unto PIERRE THEODORE DE BRUGES, of Arundell Street, in the Strand, in the parish of Saint Clement Danes, in the county of Middlesex, gentleman, of his new and peculiar method of making saltpetre ; to hold to him, his ex̃ors, adm̃ors, and assigns, within England, Wales, the town of Berwick-

upon-Tweed, and all the colonies and plantations abroad, for the term of 14 years pursuant to the statute ; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westm^{r}, the 27th day of October, in the year above. By writ, &^{c}.

CUMMING. 11th Nov. 1775.

1105. A grant unto ALEXANDER CUMMING, watchmaker, of his new invented watercloset, which he apprehends will be of great publick utility ; to hold to him, his ex̃ors, adm̃ors, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute ; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westm^{r}, the 11th day of November, in the year above. By writ, &^{c}.

CLOUGH. 16th Nov. 1775.

1106. A grant unto RICHARD CLOUGH, of Manchester, in the county of Lancaster, cotton manufacturer, of his new invented method of making warps with silk selvages, for velveretts and other kinds of cotton goods, with cotton prepared in a peculiar manner, whereby such cotton is rendered stronger, clearer, and more perfect than heretofore, and by means whereof the goods made therefrom can be made of much greater breadths than those made with the common warps, viz^{t}, from 16 to 108 inches broad, and such goods will be more perfect and beautiful than those made of common warps ; to hold to him, his ex̃ors, adm̃ors, and assigns, within England, Wales, the town of Berwick-upon-Tweed, and all the colonies and plantations abroad, for the term of 14 years pursuant to the statute ; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westm^{r}, the 16th day of November, in the year above. By writ, &^{c}.

HAYWOOD. JEFFERYS. 17th Nov. 1775.

1107. A grant unto JOHN HAYWOOD, of the parish of Saint Mary-le-Bon, draughtsman, and THOMAS JEFFERYS, of the parish of Saint Martin-in-the-Fields, in the county of Middlesex, geographer, of their new and accurate method of making artificial globes or spheres without being covered with printing or drawing on paper, parchment, or any such like material, which they humbly apprehend will be a great improvement to astronomy, geography, and navigation ; to hold to them, their ex̃ors, adm̃ors, and assigns, within England, Wales, the town of Berwick-upon-Tweed, and all the colonies and plantations abroad, for the term of 14 years pursuant to the statute ; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westm^{r}, the 17th day of November, in the year above. By writ, &^{c}.

MILLER. 22nd Nov. 1775.

1108. A grant unto SAMUEL MILLER, of the town and county of Southampton, sail maker, of his new invented machine, which, from the simplicity of its construction, may be put into actual operation in the space of a quarter of an hour, for the purposes of pumping water out of ships at sea, for adding velocity to a ship by means of sculls placed in the stern at those times when oars would be useless, and for loading and unloading goods into and out of all kinds of vessels ; to hold to him, his ex̃ors, adm̃ors, & assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute ; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westm^{r}, the 22nd day of Nov^{r}, in the year above. By writ, &^{c}.

TAYLOR. 28th Nov. 1775.

1109. A grant unto WALTER TAYLOR, of the town and county of Southampton, blockmaker, of his new invented improvement in the construction of wheels for all manner of carriages, and which invention and improvem^{t} consists of four parts, viz^{t}, first, in the boxes ; secondly, in the naves or stocks ; thirdly, in the spokes ; and fourthly, in the securing reems of the wheels ; that

each part, being thereby separately improved, renders the wheel much stronger, and each part is thereby made separately more useful, and a much greater abatement of friction is thereby occasioned on the axletree than has hitherto been found out, which will be of great public utility; to hold to him, his exors, admors, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westmr, the 28th day of Novr, in the year above.

By writ, &c.

TAYLOR. 28th Nov. 1775.

1110. A grant unto WALTER TAYLOR, of the town and county of Southampton, blockmaker, of his new invented improvement in the coghing or bushing cast iron or metal shivers for ship blocks and other things, whereby such shivers may be easily repaired when they are worn out at the centre without new casting the same (which is the present method), and which will be of great utility and a great saving to the publick in those articles; to hold to him, his exors, admors, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westmr, the 28th day of November, in the year above.

By writ, &c.

ARKWRIGHT. 16th Dec. 1775.

1111. A grant unto RICHARD ARKWRIGHT, of Cromford, in the county of Derby, of his new invented certain instruments or machines, which he conceives will be of publick utility in preparing silk, cotton, flax, and wool for spinning; that the said instruments or machines are constructed on easy and simple principles, very different from any that have ever yet been contrived; to hold to him, his exors, admors, and assigns, within England, Wales, the town of Berwick-upon-Tweed, and all the colonies and plantations abroad, for the term of 14 years pursuant to the statute; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westmr, the 16 day of December, in the year above.

By writ, &c.

RAMSDEN. 30th Dec. 1775.

1112. A grant unto JESSE RAMSDEN, of Piccadilly, in the parish of Saint James, Westminster, in the county of Middlesex, optician, of his new invented astronomical equatorial instrument, which he apprehends will be of great publick utility; to hold to him, his exors, admors, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westmr, the 30th day of December, in the year above.

By writ, &c.

ARNOLD. 30th Dec. 1775.

1113. A grant unto JOHN ARNOLD, of the Adelphi Buildings, in the liberty of Westminster, in the county of Middlesex, watchmaker, of his new invented pendulum spring for time keepers, and the method of compensating the effects of heat and cold of the same, which he apprehends will be of great utility; to hold to him, his executors, admors, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westmr, the 30th day of December, in the year above.

By writ, &c.

SOWLER. 13th Jan. 1776.

1114. A grant unto JOHN SOWLER, of East Denton, in the county of Northumberland, tile maker, of his new invented method of making pan and plain or flat tiles, of the same kind and equal in goodness to those made in

Holland, commonly called the Dutch grey or blue tiles or pantiles, and glazed or leaded tiles, from materials wholly the produce of England ; to hold to him, his exors, admors, and assigns, within England, Wales, and town of Berwick-upon-Tweed, for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westmr, the 13th day of Jañry, in the year above. By writ, &c.

Searles. 30th Jan. 1776.

1115. A grant unto Michael Searles, of the parish of Cripplegate, in the city of London, surveyor, of his new invented pinion and rack, for the use of all kinds of pumps, water and fire engines, where extraordinary power is required ; to hold to him, his exors, admors, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westmr, the 30th day of January, in the year above. By writ, &c.

Wakefield. 22nd Feb. 1776.

1116. A grant unto Robert Wakefield, of Saint Paul, Covent Garden, in the county of Middlesex, regular bred surgeon, and member of the Corporation of Surgeons of London, of his new invented certain medicinal compound powders, for the assistance and relief of children afflicted with gripes and convulsions, and which he presumes has saved the lives of many infants and young children, and apprehends, when made public, will be of great service to the rising generation, and of course will be of great use and benefit to His Majesty's subjects in general ; to hold to him, his exors, admors, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute ; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westmr, the 22nd day of February, in the year above. By writ, &c.

Co Berford. 11th March 1776.

1117. A grant unto Michael Lauren co Berford, son of Lancellot Berford, late of Lisbon, in the kingdom of Portugal, but now of the Middle Temple, London, esqr, of his new invented machine called the nautical windlass, adapted by the application of men to almost all mechanic powers, but peculiarly to the use of navigation, such as rowing, craining, &c ; to hold to him, his exors, admors, and assigns, within England, Wales, and town of Berwick-upon-Tweed, and all the colonies and plantations abroad, for the term of 14 years pursuant to the statute ; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westmr, the 11th day of March, in the year above. By writ, &c.

Barber. 12th March 1776.

1118. A grant unto John Barber, of Stainsby Hall, in the county of Derby, esquire, of his new invented engine or machine for the more easy and expeditious draining of mines, turning up coals, ores, and minerals from great depths, and to operate in all mechanical movements useful and beneficial to society ; to hold to him, his exors, admors, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute ; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westmr, the 12th day of March, in the year above. By writ, &c.

Pinchbeck. 14th March 1776.

1119. A grant unto Christopher Pinchbeck, of Cockspur Street, in the parish of Saint Martins-in-the-Fields, in the county of Middlesex, toyman and mechanician, of his new invented additions to those very useful domestick machines called snuffers, by which the disagreeable circumstance of their dropping the wick after snuffing the candles, so generally complained of, is totally prevented ; to hold to him, his exors, admors, and assigns, within

England, Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westm^{r}, the 14th day of March, in the year above. By writ, &^{c}.

HORTON. 16th March 1776.

1120. A grant unto WILLIAM HORTON, in the parish of S^{t} Mathew, Bethnell Green, in the county of Middlesex, frame smith, of his new invented machine, to be fixed to a stocking frame, for making various sorts of knotted and double-looped work, a thing never before put in practice, and will be of great utility to the publick, both in the improvement and reduction of the prices of all kinds of knotted and double-looped work, done in gold, silver, silk, cotton, worsted, or any other materials ; to hold to him, his ex̃ors, adm̃ors, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute ; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westm^{r}, the 16th day of March, in the year above. By writ, &^{c}.

RADLEY. 19th March 1776.

1121. A grant unto WILLIAM RADLEY, of the parish of Saint Andrew, Holborn, in the county of Middlesex, druggist and chymist, of his new invented purging carminative tincture for the cholic, gripes, gout, rheumatism, jaundice, and dropsy ; to hold to him, his ex̃ors, adm̃ors, and assigns, within England, Wales, and town of Berwick upon-Tweed for the term of 14 years pursuant to the statute ; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westm^{r}, 19th day of March, in the year above. By writ, &^{c}.

HOPKINS. 25th March 1776.

1122. A grant unto WILLIAM HOPKINS, of Greek Street, in the parish of Saint Ann, Soho, in the county of Middlesex, brazier, of his new invented method for preserving the ornaments of fine and other stoves or grates from being discoloured, or otherwise damaged by the heat of the fire ; to hold to him, his ex̃ors, adm̃ors, and ass^{s}, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute ; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westm^{r}, the 25th day of March, in the year above. By writ, &^{c}.

WOOLSTENHOLME. 25th March 1776.

1123. A grant unto JAMES WOOLSTENHOLME, of Manchester, in the county of Lancaster, weaver, of his new kind of goods called velvateens, being an improvement on velveretts, and far superior to the common method of weaving velveretts, by which means the pile is richer and closer, and nearly resembles a cotton velvett ; to hold to him, his ex̃ors, adm̃ors, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of fourteen years from the date hereof ; with a clause to inroll the same within four calendar months from the date hereof. W. H. M$\tilde{a}$ty at Westminster, the 25th day of March, in the year above. By writ, &^{c}.

M^{c}INTOSH. 1st April 1776.

1124. A grant unto PETER M^{c}INTOSH, of Burr Street, Wapping, in the county of Middlesex, mariner, of his new invented horizontal windmill with a multiplying power, upon a very different and much superior construction, and broke and stopt in a very different manner from any mill that has ever yet been invented ; the same mill to be likewise worked with cattle, and the wind power to be put upon a water mill, as occasion may require ; and that upon the whole the invention of the said windmill will be very useful and beneficial to society ; to hold to him, his ex̃ors, adm̃ors, and ass^{s}, within England, Wales, the town of Berwick-upon-Tweed, and all the colonies and plantations abroad, for the term of 14 years pursuant to the statute ; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westm^{r}, the 1st day of April, in the year above. By writ, &^{c}.

HATTON. 21st May 1776.

1125. A grant unto LEONARD HATTON, of Brookers-Row, Moorfields, in the parish of Saint Leonard, Shoreditch, in the cõy of Middx, bedstead maker, of his new invented art of plaining boards and fluting wood for columns and other purposes, by an engine worked with or without one or more horse or horses, according to the substance and hardness of the wood to be plained or fluted ; to hold to him, his exors, admors, and assˢ, within England, Wales, the town of Berwick-upon-Tweed, and all the colonies and plantations abroad, for the term of 14 years pursuant to the statute ; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westmr, the 21st day of May, in the year above. By writ, &c.

MARSLAND. 6th June 1776.

1126. A grant unto HENRY MARSLAND, of Bullock Smithey, in the county of Chester, shopkeeper, of his new invented machine for doubling, throwing, and winding all sorts of yarn made of cotton, wool, silk, flax, hemp, mohair, or any other material whatsoever, which he apprehends will be of good publick utility ; to hold to him, his exors, admors, and assˢ, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute ; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westmr, the 6th day of June, in the year above. By writ, &c.

WALKER. 7th June 1776.

1127. A grant unto JOHN WALKER, of the town of Newcastle-upon-Tyne, sadler, of his new invented spring saddle and stirrups upon a new construction, which he apprehends will be of great publick utility ; to hold to him, his exors, admors, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute ; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westmr, the 7th day of June, in the year above. By writ, &c.

GILCHRIST. 14th June 1776.

1128. A grant unto WILLIAM GILCHRIST, late of the Island of Jamaica, planter, but now residing in Albion Place, in the parish of Christchurch, in the county of Surry, of his new invented mill for grinding of sugar canes, of a new construction, with friction rollers or wheels, to be applied to the surfaces of the side grinding rollers used in sugar mills ; likewise spur or cogg wheels, to be applied to the middle grinding roller, in order to make the same move quicker or slower, as occasion may require ; likewise flyes, to be applied to the friction rollers ; to hold to him, his exors, admors, and assˢ, within England, Wales, the town of Berwick-upon-Tweed, and all the colonies and plantations abroad, for the term of 14 years pursuant to the statute ; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westmr, the 14th day of June, in the year above. By writ, &c.

DEARMAN. 6th July 1776.

1129. A grant unto RICHARD DEARMAN, of Birmingham, in the county of Warwick, ironmaster, of his new invented method of making hoes for His Majestie's American and West India plantations, which he conceives will be of publick utility ; to hold to him, his exors, admors, and assigns, within England, Wales, the town of Berwick-upon-Tweed, and all the colonies and plantations abroad, for the term of 14 years pursuant to the statute ; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westmr, the 6th day of July, in the year above. By writ, &c.

WOOD. 15th July 1776.

1130. A grant unto THOˢ WOOD, of Halcombe, in the parish of Bury, in the cõy palatine of Lancaster, manufacturer of cotton, of his new invented machine or instrument for carding and roving silk, cotton, and sheeps wool, of a new construction, and likely to prove beneficial to the trade & commerce in which the said materials are used, and to be of great utility to the poor manu-

facturers of His Majesty's kingdom ; to hold to him, his exors, admors, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute ; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westm^r, the 15th day of July, in the year above. By writ, &c.

DEWHURST. 23rd August 1776.

1131. A grant unto THOMAS DEWHURST, of Darwen, within the parish of Blackburn, in the county of Lancaster, yeoman, of his new invented machine and machines for preparing and spinning cotton ; to hold to him, his exors, admors, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within four calendar months from the date hereof. Witness His Majesty at Westminster, the 16th day of July, in the year above.
By writ, &c.

KNOWLES. HOLMAN. 23rd August 1776.

1132. A grant unto WILLIAM KNOWLES, of Newport, in the Isle of Wight, in the county of Southton, carpenter, and JOHN HOLMAN, of Redruth, in the county of Cornwall, carpenter, of their new invented method of raising tin, copper, and other heavy bodies from mines or pitts, by ballanceing the rope in the shaft ; and also of raising or weighing anchors and other heavy bodies, by preventing the cables from surgeing or sudden running out ; and by repeated trials and experiments the same have been found to answer much better, and the said heavy bodies to be raised sooner, with more safety and less expense, than by the common methods now in use ; to hold to them, their exors, admors, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westm^r, the 23rd day of Aug^st, in the year above. By writ, &c.

GUERIMAND. 9th Sept. 1776.

1133. A grant unto JAMES GUERIMAND, of the parish of Saint Giles, in the county of Middlesex, watchmaker, of his new invented machine for measuring a ship's way more accurately than the logg line or any other mode hereunto invented, which he calls the wheel logg or marine perambulator ; to hold to him, his exors, admors, and assigns, within England, Wales, the town of Berwick-upon-Tweed, and all the colonies and plantations abroad, for the term of 14 years pursuant to the statute, with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westm^r, the 9th day of September, in the year above. By writ, &c.

ANDREWS. 11th Sept. 1776.

1134. A grant unto JONATHAN ANDREWS, of the parsih of Saint Margaret, Westm^r, brandy merchant, of his new invented powder for cleaning woollen cloth of every colour, and extracting from thence paint, stains, grease, &c ; to hold to him, his exors, admors, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute ; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westm^r, the 11th day of September, in the year above.
By writ, &c.

WRIGHT. 25th Oct. 1776.

1135. A grant unto THOMAS WRIGHT, of the Poultry, in the city of London, watchmaker, of his new invented mill for squeesing or grinding of sugar canes upon a new construction, which will be infinitely more advantageous to the public than those now in use ; to hold to him, his exors, admors, & assigns, within England, Wales, the town of Berwick-upon-Tweed, and all the colonies and plantations abroad, for the term of 14 years pursuant to the statute ; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westm^r, the 25th day of October, in the year above.
By writ, &c.

KER.
CHAPMAN.
IRELAND.
31st October 1776.

1136. A grant unto WILLIAM KER, JOHN CHAPMAN, and THOMAS IRELAND, all of Liverpoole, in the county of Lancaster, of their new discovered chemical preparation of iron, equal in hardness to that of the best blister steel, but yet of a texture so correspondent with the qualities of iron as to retain all the toughness of iron, at the same time as it is capable of repelling and resisting any body of weight and power of friction more effectually than steel itself; and by a retention of the toughness, the metal is exempt from that brittle quality which has ever been found inseparable from the properties of steel ; to hold to them, their exors, admors, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute ; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westm^{r}, the 31st day of October, in the year above.
By writ, &c.

HAWKINS.
19th Nov. 1776.

1137. A grant unto HENRY HAWKINS, of Tooting, in the parish of Tooting, in the county of Surry, engraver, of his new invented method of working an aquarello ground, to be used on copper plates engraved for printing of linen, cottons, muslins, and calicoes ; which aquarello ground produces various tints, and will be very beneficial to the printing business ; to hold to him, his exors, admors, and ass^{s}, within England, Wales, the town of Berwick-upon-Tweed, and all the colonies & plantations abroad, for the term of 14 years pursuant to the statute; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westm^{r}, the 19th day of Nov^{r}, in the year above.
By writ, &c.

BROWNE.
25th Nov. 1776.

1138. A grant unto JOHN BROWNE, of Lannedy Forest, in the county of Carmarthen, South Wales, gentleman, of his new invented and improved engines for the more expeditiously forming a great variety of vessels and utensils of iron, and for planishing and burnishing the same, when tinned ; proper and necessary for the preparation and use of food for His Majesty's subjects, whereby the prices of such vessels and utensils will be very greatly reduced ; to hold to him, his exors, admors, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute ; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westm^{r}, the 25th day of Nov^{r}, in the year above.
By writ, &c.

FFERGUSON.
2nd Dec. 1776.

1139. A grant unto PATRICK FFERGUSON, esq^{r}, captain in His Majestie's 70th Rigiment of Foot, of his new invented various improvements upon fire arms, which, as he apprehends, render such fire arms more beneficial to the publick than those in present use, by being made to load with more expedition, ease, and safety, to fire with greater certainty, and to possess various other advantages ; to hold to him, his exors, admors, and assigns, within England, Wales, the town of Berwick-upon-Tweed, and all the colonies and plantations abroad, for the term of 14 years pursuant to the statute ; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westm^{r}, the 2^{d} day of Dec^{r}, in the year above.
By writ, &c.

CLAGGETT.
7th Dec. 1776.

1140. A grant unto CHARLES CLAGGETT, from the city of Waterford, in Ireland, at present in the city of London, musick master, of his new improvements on the violin and other instruments played on finger boards, that render it almost impossible to stop or play out of time ; that the violin, &c^{a}, will retain all former perfections ; and that these improvements, at the same time that they infinitely assist the very best performers, will save learners above four-fifths of their trouble and time ; to hold to him, his exors, admors, and ass , within England, Wales, and town of Berwick-upon-Tweed for the term

of 14 years, pursuant to the statute ; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westmr, the 7th day of December, in the year above. By writ, &c.

DANIEL. 16th Dec. 1776.

1141. A grant unto ROBERT DANIEL, of Kings Lynn, in the county of Norfolk, shoemaker, of his new invented kind of boots, called spring boots ; to hold to him, his executors, administrators, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute ; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westminster, the 16th day of December, in the year above. By writ, &c.

LEWIS. 24th Dec. 1776.

1142. A grant unto ISRAEL LEWIS, of Fleet Street, in the city of London, upholsterer, of his new invented method of making window curtains with springs, by which means they may be fixed up and taken down without the assistance of an upholsterer, not only with great expedition, but with much less damage to the wainscot or wall ; and they are so contrived that the curtains may with great ease be put up or taken down by any servant in the family in less than a minutes time ; to hold to him, his exors, admors, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute ; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westmr, the 24th day of December, in the year above. By writ, &c.

JONES. 4th January 1777.

1143. A grant unto JOHN JONES, of the city of Bristol, iron founder, of his new invented machine for raising water or other liquid by rarifyed air or steam ; to hold to him, his exors, admors, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute ; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westmr, the 4th day of January, in the year above. By writ, &c.

MACKENZIE. 9th January 1777.

1144. A grant unto COLIN MACKENZIE, of James Street, in the parish of Saint Martin-in-the-Fields, in the county of Middlesex, whitesmith, of his new invented axis or spindle to be fixed in cranks and pullies used in bell-hanging and other mechanical operations, which he apprehends will be of great publick utility ; to hold to him, his exors, admors, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute ; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westmr, the 9th day of January, in the year above. By writ, &c.

MIKOVINIJ. 23rd Jan. 1777.

1145. A grant unto ANTHONY MIKOVINIJ, of Lewisham, in the county of Kent, of his new invented certain composition for the manufacturing, improving, dressing, and bleaching hemp, flax, and other vegetable substances, and hempen and other cloth and yarn ; to hold to him, his exors, admors, and assigns, within England, Wales, and town of Berwick-upon-Tweed ; for the term of 14 years, pursuant to the statute ; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westmr, the 23d day of January, in the year above. By writ, &c.

HENRY. 20th Feb. 1777.

1146. A grant unto SOLOMON HENRY, of Swithins Lane, in the city of London, merchant, of his invented machine for watering roads, gardens, and lands on principles entirely new and advantageous ; to hold to him, his exors, admors, and asss, within England, Wales, and town of Berwick-upon-Tweed, for the term of 14 years pursuant to the statute ; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westmr, the 20th day of February, in the year above. By writ, &c.

TURNER.
28th Feb. 1777.

1147. A grant unto ROBERT TURNER, of the town and county of the town of Newcastle-upon-Tyne, of his new invented method of making pan and plain or flat tiles, of the same kind and equal in goodness to those made in Holland, commonly called the Dutch grey or blew tiles or pan tiles, from materials wholly the produce of England; to hold to him, his executors, admors, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westmr, the 28th day of Febry, in the year above. By writ, &c.

WILLIAMS.
6th March 1777.

1148. A grant unto WILLIAM WILLIAMS, of the parish of Saint Martin-in-the-Fields, in the county of Middlesex, button maker, of his new invented composition of gold, silver, and metal for making coat and waistcoat buttons; to hold to him, his executors, administrators, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westmr, the 6th day of March, in the year above. By writ, &c.

HOOPER.
14th March 1777.

1149. A grant unto STEPHEN HOOPER, of Margate, in the Isle of Thanet, in the county of Kent, merchant, of his new invented engine or machine for raising or lifting of water, and which is of great utility, and greatly varies from any engine or machine hitherto invented for that purpose; to hold to him, his exors, admors, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westmr, the 14th day of March, in the year above. By writ, &c.

JOHNSON.
29th March 1777.

1150. A grant unto JOHN JOHNSON, of Berners Street, in the parish of Saint Marylebone, otherwise Mary Bone, in the county of Middlesex, architect, of his new invented cheap and durable composition for the covering the fronts and tops and ornamenting of houses and buildings, and for other purposes in the building trade, and which will adhere to surfaces that are wet as well as those that are dry, at any season of the year, and which greatly varies from any composition hitherto invented for that purpose; to hold to him, his exors, admors, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westmr, the 29th day of March, in the year above. By writ, &c.

HALLAM.
HEYS.
10th April 1777.

1151. A grant unto EDWARD HALLAM, joiner, and THOMAS HEYS, sleymaker, both of the town and county of the town of Nottingham, of their new invented engine for the spinning, drawing, and twisting of cotton wool, the wool of sheep, silk, and flax, after a new and more expeditious method, which they believe will be of great public utility; to hold to them, their exors, admors, and assigns, within England, Wales, and town of Berwick upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westmr, the 10th day of April, in the year above. By writ, &c.

MILLER.
11th April 1777.

1152. A grant unto SAMUEL MILLER, of the town and county of Southampton, sailmaker, of his new invented machine for the more expeditiously sawing of all kinds of wood, stone, and ivory; to hold to him, his executors, administrators, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a

clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westminster, the 11th day of April, in the year above.

By writ, &c.

CROWLEY. 26th April 1777.

1153. A grant unto THOMAS CROWLEY, of Camomile Street, London, currier and leather cutter, of his new invented engine or machine, consisting of divers parts, to be applied and used for splitting, cutting, paring, shreading, or dividing hides, skins, and leather, in length and breadth, severing the flesh side from the grain side, parting the whole substances into two or more different divisions; and also for cutting, sawing, splitting or dividing, after the like form and method, wood, cork, bone, horn, ivory, or other substances which may be required to be cut, sawed, split, or divided in length and breadth; to hold to him, his exors, admors, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westminster, the 26th day of April, in the year above.

By writ, &c.

BARBER. 8th May 1777.

1154. A grant unto ROBERT BARBER, of the town of Nottingham, in the county of Nottingham, gentleman, of his new invented machine for making, drawing, sizing, and proportioning threads of silk, worsted, hemp, flax, gold or silver wire, or other materials; and also for manufacturing, weaving, and making the same into pieces of silk, worsted, or linnen, cloth, either quite plain or ribbed, figured, or flowered, in immitation of tambour or embroidery work; that the said machine may be wrought either by the operation of fire, or by water, or with horses, or any other power, to put and keep the same in motion, and is so contrived that the same may be employed at the same time as well in making, drawing, sizing, and proportioning the threads of silk, worsted, hemp, flax, gold or silver wire, and other materials intended to be manufactured, as in weaving and making the same into pieces of goods for sale; or such parts thereof only as may be put in motion as will perform either of the said works, separately and distinct from the other; to hold to him, his exors, admors, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westmr, the 8th day of May, in the year above. By writ, &c.

MANTELL. 13th May 1777.

1155. A grant unto JOHN MANTELL, of Dartmouth Row, in the city of Westminster, gentleman, of his new invented method of making and refining the common and sea salt, for curing of fish, flesh, and divers other useful purposes, to much greater perfection and purity, and superior to any hitherto used or made or at present known; that out of the offals and the salt so purified he prepares a manure, which, if used as such, will in the course of two or three years by its attractive quality impregnate the soil with saltpetre, so that perpetual saltpetre mines may be established throughout the kingdom, which will be of material and singular service to the navy and government in particular, and the publick in general; to hold to him, his exors, admors, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westmr, the 13th day of May, in the year above. By writ, &c.

FISHER. 9th June 1777.

1156. A grant unto JOSEPH FISHER of his new invented machine for writing or drawing by lines, which he calls the universal machine lines for writing and drawing; to hold to him, his executors, admors, and assigns, within England, Wales, and town of Berwick-upon-Tweed, for the term of

14 years pursuant to the statute; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westmr, the 9th day of June, in the year above. By writ, &c.

THOMAS. 10th June 1777.

1157. A grant unto FRANCIS THOMAS, of Ludgvan, in the county of Cornwall, smelter, of his new invented machine for separating all kinds of metals from slaggs; to hold to him, his exors, admors, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westmr, the 10th day of June, in the year above. By writ, &c.

GRUBB. 13th June 1777.

1158. A grant unto ROBERT GRUBB, of the parish of Saint Martin, Ludgate, in the city of London, gentleman, of his new discovered certain medicine, called the Friars drops, which effectually cures the venereal disease, scurvy, rheumatism, strangery, and gleets, without any electuary or pills, in every stage of the complaint, or without any confinement or particular regimen; to hold to him, his exors, admors, and assigns, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westmr, the 13th day of June, in the year above. By writ, &c.

NICHOLSON. 14th July 1777.

1159. A grant unto WILLIAM NICHOLSON, of the Bank Buildings, Cornhill, in the city of London, broker and lottery office keeper, of his new invented method for the securing the property of all persons who may become purchasers of shares of tickets in the present and future State lotteries; to hold to him, his exors, admors, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westmr, the 14th day of July, in the year above. By writ, &c.

PROSSER. 14th July 1777.

1160. A grant unto LEMUEL PROSSER, of the parish of Saint Martin-in-the-Fields, in the county of Middlesex, plumber, of his new invented water-closet, upon an entirely new construction, which will always remain free from any offensive smell; to hold to him, his executors, admors, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westmr, the 14th day of July, in the year above. By writ, &.

BETTS. 14th July 1777.

1161. A grant unto WILLIAM BETTS, of Mansfield, in the county of Nottingham, frame smith, of his new invented machine or engine for the making or weaving of hose caps, mitts, pieces, gloves, and other hosiery goods, both ribbed and plain, in silk, cotton, and wool, by which means he hopes that he shall be enabled to employ a considerable number of His Mäty's poorer subjects; to hold to him, his exors, admors, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westmr, the 14th day of July, in the year above. By writ, &c.

LEWIS. 14th July 1777.

1162. A grant unto ISRAEL LEWIS, of Fleet Street, in the city of London, upholsterer, of his new invented method for making festoon window curtains with springs, by which means they may be fixed up and taken down without the assistance of an upholsterer, not only with greater expedition but with much less damage to the wainscot or wall; and they are so contrived that the

curtains may with great ease be put up or taken down by any servant in the family in less than a minute's time; to hold to him, his executors, administrators, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westm^r, the 14th day of July, in the year above. By writ, &c.

BAILEY. 19th July 1777.

1163. A grant unto ALEXANDER MABYN BAILEY, of the parish of Saint Martin-in-the-Fields, in the county of Middlesex, gentleman, of his new invented machine for making fresh water from sea water without boiling, which will be pure element, without any spirit of salt, bitumen, or heterrogeneous matter; and for making salt from sea water, or from brine springs, with much less boiling than in the common way of making it; therefore the salt will be made at a much less expence, will be whiter, purer, and stronger than that made in the common way; to hold to him, his exors, admors, and assigns, within England, Wales, the town of Berwick-upon-Tweed and all the colonies and plantations abroad, for the term of 14 yrs pursuant to the statute; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westm^r, the 19th day of July, in the year above. By writ, &c.

SMALL. 1st August 1777.

1164. A grant unto JAMES SMALL, of the parish of Saint James, Westminster, in the county of Middlesex, upholsterer, of his new invented kind of window lath, to which the curtains are fastned with the greatest ease and expedition, and may also be applied to bed furniture to the greatest advantage, and so simple and easy that they may be taken down and put up by any servant of the least experience, and without the least damage to the furniture, as no nail or instrument whatever are used, and is so contrived that the lines and tassels are fixed to the curtains; to hold to him, his exors, admors, & ass^s, within England, Wales, and town of Berwick-upon-Tweed, for the term of 14 years pursuant to the statute; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westm^r, the 1st day of Aug^st, in the year above. By writ, &c.

MARSTON. BELLAMY. 1st August 1777.

1165. A grant unto JOHN MARSTON, of Birmingham, in the county of Warwick, brass founder, and SAMUEL BELLAMY, of Birmingham aforesaid, engraver and dye-sinker, of their new invented method of stamping upon plated metal, gilt and other metals, all sorts of hat and cloak pins, and all kinds of figures, decorations, ornaments, and other devices for cabinet furniture and lock furniture, and intermixing divers colours in the same; that hat and cloak pins, and cabinet and lock furniture, done in the above manner, will be more durable than any now in use; to hold to them, their exors, admors, and ass^s, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westm^r, the 1st day of Aug^st, in the year above. By writ, &c.

RASTRICK. 8th August 1777.

1166. A grant unto JOHN RASTRICK, of Morpeth, in the county of Northumberland, engineer, of his new invented barrel churn, which he calls the Imperial barrel churn, which will be of great service to the publick, and greatly varies from any barrel churn heretofore invented; to hold to him, his exors, admors, and ass^s, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westm^r, the 8th day of Aug^st, in the year above. By writ, &c.

HUMMEL. 15th August 1777.

1167. A grant unto JOHN HUMMEL, of Little Earl Street, in the parish of Saint Giles-in-the-Fields, in the county of Middlesex, stocking maker, of his new invented method of working and knitting of frame work, milled and napped in imitation of ratteen, consisting of English or Spanish wool, or English and Spanish wool mixed, in any colour, figure, shape or pattern ; to hold to him, his exors, admors, and ass^{s}, within England, Wales, British Isles, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute ; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westm^{r}, the 15th day of Augst, in the year above. By writ, &c.

VICKERS. 1st Sept. 1777.

1168. A grant unto WILLIAM VICKERS, of the borough of Derby, in the county of Derby, of his new invented certain instrument or machine for the preparing and spinning flax, hemp, tow, silk, cotton, wool, and sheeps wool, by a method entirely new, which may be of great benefit and publick utility to the trade of this kingdom ; to hold to him, his exors, admors, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute ; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westm^{r}, the 1st day of Sep^{r}, in the year above. By writ, &c.

TRUSLER. 16th Sept. 1777.

1169. A grant unto JOHN TRUSLER, clerk, of Cobham, in the county of Surry, of his new invented pair of snuffers that will not drop the wick, and which he apprehends will be exceedingly useful to His Majestys subjects ; to hold to him, his exors, admors, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute ; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westm^{r}, the 16th day of Sept^{r}, in the year above. By writ, &c.

MOLESWORTH. 29th Sept. 1777.

1170. A grant unto JOHN MOLESWORTH, of the Inner Temple, London, esq^{r}, of his new invention, absolutely effectual and totally different from any yet discovered, for promoting and absolutely securing to the purchasers of shares and chances of state lottery tickets any prize or prizes that may be drawn against the same, and whereby no person or persons can sell any share or chance of a state lottery ticket more times over than the original state lottery ticket will warrant ; or in case the same should be drawn a prize more than the prize belonging to such ticket will answer for, whereby it will be impossible and out of the power of the seller of such shares and chances of state lottery tickets to prevent the person or persons purchasing the same, in case it should be drawn a prize, from receiving the just proportion of such prize, agreeable to the share, chance, or interest the purchasers or holders thereof may have therein ; to hold to him, his exors, admors, and ass^{s}, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute ; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westm^{r}, the 29th day of Sept^{r}, in the year above. By writ, &c.

WALFORD. 8th October 1777.

1171. A grant unto THOMAS WALFORD, of the parish of Saint John, Clerkenwell, in the county of Middlesex, gentleman, of his new invented engine for the plaiting, interweaving of laces, curtain and other lines, in the most perfect manner, both round and flat, and a variety of other articles in that way, by far cheaper than ever yet made, and so as to be very advantageous to the trade and commerce of this country ; to hold to him, his exors, admors, and ass^{s}, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute ; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westm^{r}, the 8th day of October, in the year above. By writ, &c.

STODART. 21st Nov. 1777.

1172. A grant unto ROBERT STODART, of Wardour Street, Soho, in the county of Middlesex, musical instrument maker, of his new invented sort of instrument, or of grand forte piano with an octave swell, and to produce various fine tones, together or separate, at the option of the performer ; to hold to him, his exors, admors, and ass^s, within England, Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westm^r, the 21^st day of November, in the year above.

By writ, &c.

RAWLE. 28th Nov. 1777.

1173. A grant unto WILLIAM RAWLE, of the Strand, in the parish of Saint Martin-in-the-Fields, and county of Middlesex, accoutrement maker, of his new invented certain instrument or machine for the more convenient and commodious carriage of soldiers cartridges by a method entirely new, which may be of great benefit and publick utility to His Majesty's army ; to hold to him, his exors, admors, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute ; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westm^r, the 28^th day of Nov^r, in the year above.

By writ, &c.

FORREST. 16th Dec. 1777.

1174. A grant unto THOMAS FORREST, of Marshal Street, Carnaby Market, in the parish of Saint James, Westmins^r, in the county of Middlesex, tallow chandler, of his new invented machine to melt tallow without any fire touching the same, whereby he will be enabled to manufacture forreign tallow to greater perfection than the town tallow now is, and to make the English tallow to such perfection as nearly to equal spermaceti ; to hold to him, his exors, admors, and assigns, within England, Wales, the town of Berwick-upon-Tweed, and all the colonies and plantations abroad, for the term of 14 years pursuant to the statute ; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westm^r, the 16^th day of December, in the year above.

By writ, &c.

DOLIGNON. 31st Dec. 1777.

1175. A grant unto STEPHEN DOLIGNON, weaver, of his new invented method of weaving and cutting the warp shute, or brocade floating silk, on the right side or face of velvet, shag, satin cord, tabby chain, lustring, or mixtures of either of them, plain, flowered, or spotted, with flush tissue, tobine, or brocade, with silk, gold, or silver, and silk mixed with cotton, thread, or worsted, so as to form the design, pattern, figure, or stripe ; and of staining, printing, or colouring the whole or part of the surface of plain, striped, or flowered silk or cotton velvet, long or short poiled shag and plush; to hold to him, his exors, admors, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute ; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westm^r, the 31^st day of Dec^r, in the year above.

By writ, &c.

RABY. 7th January 1778.

1176. A grant unto GEORGE RABY, of Dunk Street, Whitechapel, in the county of Middlesex, of his new invented instrument, which he calls an accurate and expeditious silver coin ballance, for detecting (even in the dark) base half-crowns, shillings, and sixpences ; to hold to him, his exors, admors, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute ; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westminster, the 7^th day of January, in the year above.

By writ, &c.

BRAMAH. 27th Jan. 1778.

1177. A grant unto JOSEPH BRAMAH, of Cross Court, Carnaby Market, in the county of Middlesex, cabinet maker, of his new invented watercloset, which will entirely prevent any offensive smell or stench arising therefrom, and which is in all respects upon a very different and much superior construction from any that ever yet has been invented, and will be much cheaper, and, upon the whole, his invention will be very beneficial to society; to hold to him, his exors, admors, and ass^{s}, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westm, the 27th day of January, in the year above.
By writ, &^{c}.

BAKER. BAKER. 3rd February 1778.

1178. A grant unto WILLIAM BAKER and THOMAS BAKER, of their new invented machine or engine for making stockings, waistcoat and breeches pieces, caps, gloves, mitts, purses, and all sorts of hosiery, in silk, cotton, thread, and worsted; to hold to them, their exors, admors, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute, with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Wes^{r}, the 3^{d} day of Febry, in the year above.
By writ, &^{c}.

HARRISON. ATHERTON. 5th February 1778.

1179. A grant unto WILLIAM HARRISON, of Lambs Conduit Street, in the county of Middlesex, esquire, and PETER ATHERTON, of New Court, near Fleet Market, in the city of London, watch tool maker, of their new invented method for making of screws, and machines for dividing of instruments from the said screws; to hold to them, their exors, admors, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute, with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westm^{r}, the 5th day of Febry, in the year above.
By writ, &^{c}.

CLAY. 5th February 1778.

1180. A grant unto HENRY CLAY, of Birmingham, in the county of Warwick, japanner, of his new invented method of making or manufacturing coat, breast, sleeve, vest, and other buttons, of paper, japanned, with or without shanks of metal or catgut, or set in cups or sockets of various metals; to hold to him, his exors, admors, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westm, the 5th day of February, in the year above.
By writ, &^{c}.

SPIRES. 17th Feb. 1778.

1181. A grant unto NEHEMIAH SPIRES, of the parish of Saint Paul Covent Garden, in the city of Westminster, chymist and druggist, of his new invented method of preparing essences from vegetables; to hold to him, his exors, admors, and assigns, within England, Wales, the town of Berwick-upon-Tweed, and all the colonies and plantations abroad, for the term of 14 years pursuant to the statute; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westm^{r}, the 17th day of February, in the year above.
By writ, &^{c}.

TARRANT. 28th Feb. 1778.

1182. A grant unto JOHN KENT TARRANT, of King Street, Bloomsbury Square, in the county of Middlesex, painter, of his new invented method of painting, spangling, gilding, and silvering glass, thereby ornamenting carriages, sedan chairs, buildings, furniture, musical instruments, or any other matters where ornamenting shall be thought necessary; to hold to him, his exors, admors, and assigns, within England, Wales, and town of Berwick-upon-Tweed, for the term of 14 years pursuant to the statute; with a clause

to inroll the same within four calendar months from the date hereof. W. H. M. at Westmr, the 28th day of February, in the year above. By writ, &c.

STORER. 4th March 1778.

1183. A grant unto WILLIAM STORER, of his new invented optical instrument, called an accurate delineator, which, amongst its many perfections, entirely obviates the defects of the camera obscura, as it may not only be used without the assistance of the sun in the day time, but also equally of use by candle light, for drawing the human face inside of rooms, buildings, perspectives, landscapes, foliage, and fibres of trees and flowers, it exactly representing the same long or small, with the true outlines, lights, shades, and colours; to hold to him, his exors, admors, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westmr, the 4th day of March in the year above. By writ, &c.

BEAN. 6th March 1778.

1184. A grant unto THOMAS BEAN, of Stokesley, in Cleveland, in the county of York, cordwainer, of his new invented certain shoes, cloggs, and pattens, called or known by the name of the Cleveland shoes, cloggs, and pattens, more easy, convenient, and commodious than any heretofore used; to hold to him, his exors, admors, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute, with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westminster, the 6th day of March, in the year above. By writ, &c.

COOK. 16th March 1778.

1185. A grant unto HENRY COOK, of the parish of Stoke Holy Cross, in the county of Norfolk, gentleman, of his new invented composition, to be used as a substitute for, and will in every respect be preferrable to either lead, slates, or tiles, in covering of churches, houses, and all other buildings; to hold to him, his exors, admors, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westmr, the 16th day of March, in the year above. By writ, &c.

MARCH. 16th March 1778.

1186. A grant unto RICHARD MARCH, of Temple Barr, in the parish of St. Clement Danes, in the county of Middlesex, hosier, of his new invented machine to be fixed to a stocking frame for making various sorts of single and double cross looped and inlaid work, a thing never before put in practice, and which will be of great utility to the publick, both in the improvement and reduction of the prices of all kinds of stocking work, in silk, cotton, thread, worsted, silver, gold, or any other materials whatever; to hold to him, his exors, admors, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westmr, the 16th day of March, in the year above. By writ, &c.

COLLINS. 20th March 1778.

1187. A grant unto WILLIAM COLLINS, of Birmingham, button and toy maker, of his new invented method of preparing, gilding, polishing, or burnishing a metal or metals plated with silver or otherwise, for making buttons or other articles in the toy way, by laying on the gold when the metals aforesaid are in a state of much more considerable thickness than heretofore used. Exclusive of the other advantages attending this method, it will in a

great degree prevent the danger which persons employed in this business are exposed to from the evaporation of mercury, being much more in the present mode of preparing methods for the purposes aforesaid than by the petitioners new invented method ; to hold to him, his exors, admors, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westmr, the 20th day of March, in the year above. By writ, &c.

JACKSON. 30th March 1778.

1188. A grant unto HUMPHREY JACKSON, of Great Tower Hill, in the parish of Alhallows, Barking, of his new invented method of beautifying and preserving the native colour of all sorts of wood, particularly mahogany, or furniture made thereof, in a very superior manner to any hitherto practised, by means of a stain, varnish, and powder, which powder will likewise be extremely useful in polishing and sharpening all fine steel-edged instruments; to hold to him, his exors, admors, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westmr, the 30th day of March, in the year above. By writ, &c.

HAWKINS. 30th March 1778.

1189. A grant unto EDWARD HAWKINS, of Congleton, in the county palatine of Chester, merchant, of his new invented art or method of making shaven or bright latten ; to hold to him, his exors, admors, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westmr, the 30th day of March, in the year above. By writ.

THORNTON. 15th April 1778.

1190. A grant unto ROBERT THORNTON, of East Smithfield, in the county of Middlesex, chemist and druggist, of his new invented particular kind of method of reducing malt and hops into a solid essence or extract, for the purpose of making good and wholesome beers at sea, and in distant climes and countries ; to hold to him, his executors, administrators, and assigns, within England, Wales, the town of Berwick-upon-Tweed, and all the colonies and plantations abroad, for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westmr, the 15th day of April, in the year above. By writ, &c.

WILLIAMS. 7th May 1778.

1191. A grant unto THOMAS WILLIAMS, of the parish of Feock, in the county of Cornwall, copper refiner, of his new invented method of smelting copper ore in a manner quite new and never before made use of, whereby the arsenick is extracted from the metal, and it is brought to fine copper, with much less labour and expence than by the common process now made use of ; to hold to him, his exors, admors, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute ; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westmr, the 7th day of May, in the year above. By writ, &c.

TAYLOR. 16th May 1778.

1192. A grant unto THOMAS TAYLOR, of the town and county of the town of Nottingham, framesmith, of his new invented method for the improvement and more expeditious manner of making lace and open work in silk, cotton, thread, and worsted, and an engine or machine on which is fixed a compleat set of working needles ; and such engine or machine is to be fixed to a stocking frame, for making, by a method entirely new, lace and open work, as

mitts, gloves, caps, handkerchiefs, aprons, stockings, pieces, and other things of that sort of work that may be worked or manufactured upon the stocking frame ; to hold to him, his exors, admors, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westmr, the 16th day of May, in the year above. By writ, &c.

MARTIN. 29th May 1778.

1193. A grant unto JOSHUA LOVER MARTIN, of Fleet Street, in the city of London, optician, of his new invented chain belt, fastened by a lock of a peculiar new construction, whereby all trunks are not only effectually secured from being cut away from carriages, but the lock itself such as cannot be picked ; to hold to him, his exors, admors, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute ; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westmr, the 29th day of May, in the year above. By writ, &c.

TALBOT. 3rd June 1778.

1194. A grant unto JOHN TALBOT, of Birmingham, in the county of Warwick, filesmith, of his new invented machine, or engine, to be used in the working of steel, iron, brass, or copper, hot or cold, in a more expeditious manner than heretofore hath been known ; to hold to him, his exors, admors, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute ; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westminster, the 3d day of June, in the year above. By writ, &c.

HORTON. ROSS. DAVIES. GOLBY. 24th June 1778.

1195. A grant unto WILLIAM HORTON, of Christ Church, Newgate Street, in the city of London, framesmith, WILLIAM ROSS, of the parish of Saint Lukes, in the said city of London, framework knitter, THOMAS DAVIES, of New Bond Street, in the county of Middlesex, hosier, and JOHN GOLBY, of the said parish of Saint Lukes, in the said city of London, framework knitter, of their new invented machine for making of network with knotted mashes in silk, thread, cotton, worsted, or any other materials of the like nature, which is of great utility, and greatly varies from any other machine hitherto invented for that purpose ; to hold to them, their exors, admors, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute ; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westmr, the 24th day of June, in the year above. By writ, &c.

HARBY. 13th July 1778.

1196. A grant unto WILLIAM HARBY, of Essex Street, in the Strand, in the county of Middlesex, hair dealer, of his new invented kind of cemented hair shag, both elegant and durable, which answers various useful purposes ; to hold to him, his executors, administrators, and assigns, within England, Wales, and town of Berwick-upon-Tweed, for the term of fourteen years pursuant to the statute; with a clause to inroll the same within four calendar months from the date hereof. Witness His Majesty at Westminster, the thirteenth day of July, in the year above. By writ, &c.

KNOX. 21st July 1778.

1197. A grant unto JOHN KNOX, of Richmond, in the county of Surry, gentleman, of his new invented plan, different from any hitherto discovered, for assurances on lives from ten to eighty years of age, upon a twofold beneficial principle, making a certain provision as well for subscribers or their representatives upon the death of the person on whose life assurance shall be made within the term assured for, as also by means of the reserved capital

for the surviving subscribers whose nominees shall be living at the expiration of such term; that this scheme or institution is adapted to the different ranks, professions, and circumstances of mankind, wherein subscribers may insure on the lives of themselves or of others, for their own benefit or that of their assignees, and will, if carried into execution, prove of great advantage to His Majesty's subjects, and likewise contribute to the increase of the publick revenues by a very considerable consumption of stamps; to hold to him, his exors, admors, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westmr, the 21st day of July, in the year above. By writ, &c.

Mordaunt. 11th August 1778.

1198. A grant unto Charles Lewis Mordaunt, esq, of his new invented method of preparing cotton, sheeps wool, and flax for the loom, materials and necessary articles used in the making and manufacturing of cotton, woollen, and linen cloaths, in a much better, more expert, and more expeditious manner than the same are at present done, which he apprehends will be of great public utility; to hold to him, his executors, admors, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westmr, the 11th day of Augst, in the year above. By writ, &c.

Gillanders. 22nd Oct. 1778.

1199. A grant unto Francis Gillanders, of Red Lyon Street, Clerkenwell, in the county of Middlesex, enameller, of his new invented method of covering artificial teeth, and also decayed natural teeth and gums, with a composition or substance that will admit of being coloured so as to imitate the natural teeth and gums, and that will not corrode, stain, or loose its colour in the mouth, which he apprehends will be of public utility; to hold to him, his exors, admors, and assigns, within England, Wales, and town of Berwick-upon-Tweed, for the term of 14 years pursuant to the statute; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westmr, the 22d day of October, in the year above. By writ, &c.

Barron. 31st Oct. 1778.

1200. A grant unto Robert Barron, of Hoxton, in the parish of Saint Leonard, Shoreditch, in the county of Middlesex, of his new invented lock, far more secure than any hitherto made; to hold to him, his executors, administrators, & assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westminster, the 31st day of October, in the year above. By writ, &c.

Johnson. 9th Nov. 1778.

1201. A grant unto Henry Johnson, of Vauxhall, in the parish of Lambeth, in the county of Surry, gentleman, of his new invented method of printing with types of figures so connected as to prevent the possibility of error, which he conceives must be of great utility in all printing business where figures are used, particularly in taking down the numbers of the blanks and prizes in the lottery; to hold to him, his exors, admors, and ass^{s}, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westmr, the 9th day of November, in the year above. By writ, &c.

Howard. 24th Nov. 1778.

1202. A grant unto Thomas Howard, of Saint Pauls Church, London, ironmonger, of a certain warming pan made of steel or iron, and also of an entire new construction; to hold to him, his exors, admors, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within

four calendar months from the date hereof. W. H. M. at Westmr, the 24th day of Novr, in the year above. By writ, &c.

SANDERSON. 21st Dec. 1778.

1203. A grant unto MATTHEW SANDERSON, of his new discovered process for the extracting of a mineral sulpher from pyrites, copper, and lead ores, separating its acid, and rendering it useful for every medicinal purpose; to hold to him, his exors, admors, and asss, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westmr, the 21st day of December, in the year above. By writ, &c.

BENT. 23rd Dec. 1778.

1204. A grant unto WILLIAM BENT, of Saint Martins Lane, in the liberty of Westminster, ironmonger, of his new invented kind of stove grates, of which the front bars or parts, through which the heat passes, are cast in iron or other metal from the most elegant patterns; to hold to him, his exors, admors, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within four calendar months from the date hereof. W. H. Mãty at Westmr, the 23d day of Decr, in the year above. By writ, &c.

BENT. 23rd Dec. 1778.

1205. A grant unto WILLIAM BENT, of Saint Martin's Lane, in the liberty of Westminster, ironmonger, of his new invented kind of ship blocks, which turn upon iron or steel pins or axles cased with metal; to hold to him, his exors, admors, and asss, within England, Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westminster, the 23d day of December, in the year above. By writ, &c.

GREENOUGH. 8th Jan. 1779.

1206. A grant unto THOMAS GREENOUGH, of Ludgate Hill, in the city of London, apothecary, of his new invented excellent remedy for strains, bruises, wounds, and many other complaints, called by him Samaritan water, the beneficial effects of which have been experienced by great numbers of His Majesty's subjects; to hold to him, his exors, admors, and asss, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westminster, the 8th day of January, in the year above. By writ, &c.

HIGGINS. 8th Jan. 1779.

1207. A grant unto BRYAN HIGGINS, of the parish of Saint Ann, in the county of Middlesex, doctor of physick, of his new invented water cement or stucco for building, repairing, and plaistering walls, and for other purposes, which he apprehends will be usefull to the publick; to hold to him, his executors, admors, and assigns, within England, Wales, the town of Berwick-upon-Tweed, and all the colonies and plantations abroad, for the term of 14 years pursuant to the statute; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westminster, the 8th day of January, in the year above. By writ, &c.

BACON. 20th Jan. 1779.

1208. A grant unto JOHN BACON, of Covent Garden, in the city and liberty of Westminster, chymist, of his new invented medicinal preparation for the more safe and speedy cure of intermitting fevers, and consumptive and many other disorders; to hold to him, his exors, admors, and assigns, within England, Wales, & town of Berwick-upon-Tweed, for the term of 14 years pursuant to the statute; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westminster, the 20th day of January, in the year above. By writ, &c.

ELLIS.
30th Jan. 1779.

1209. A grant unto RICHARD ELLIS, of George Street, Foster Lane, in the city of London, goldsmith, of his new invented method or mode of plating steel or iron with gold or silver, which steel or iron so plated takes or receives from thence a beautiful enamel, far more excellent and superior to any compound metals heretofore or hitherto discovered by any person or persons whatsoever; to hold to him, his executors, admors, and ass^{s}, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westm^{r}, the 30th day of January, in the year above. By writ, &.

BURTON.
3rd Feb. 1779.

1210. A grant unto JOSEPH BURTON, of Whitby, in the county of York, cordwainer, of his new invented considerable improvement in womens clogs, by a goloshoe or clog of an entire new make and invention, which he apprehends will be of publick utility; to hold to him, his exors, admors, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westm^{r}, the 3rd day of Febry, in the year above. By writ, &c.

BUZAGLO.
11th Feb. 1779.

1211. A grant unto ABRAHAM BUZAGLO, of the Strand, in the liberty of Westminster and county of Middlesex, warming machine maker, of his new invented muscular strength and health restoring exercise, by the means of machines, instrum^{ts}, and necessaries for practising the same; to hold to him, his exors, admors, and ass^{s}, within England, Wales, the town of Berwick-upon-Tweed, and all the colonies and plantations abroad, for the term of 14 years pursuant to the statute; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westm^{r}, the 11th day of Febry, in the year above. By writ, &c.

PEELE.
18th Feb. 1779.

1212. A grant unto ROBERT PEELE, of Church, near Blackburn, in the county palatine of Lancaster, callico printer, of his new invented machine for dressing, carding, slobbing, roving, and spinning of cotton, silk, worsted, and woollen, which he calls the spinning machine, and greatly varies from any heretofore invented; to hold to him, his exors, admors, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westm^{r}, the 18th day of Febry, in the year above. By writ, &c.

WASBROUGH.
10th March 1779.

1213. A grant unto MATTHEW WASBROUGH, in the city of Bristol, engineer, of his new invented machine or piece of mechanism, which, when applied to a steam engine, or any perpendicular motion, either by means of one or more levers, or any reciprocal movement, it becomes circular, without the medium of a water-wheel, which will prove of great utility to the publick in the grinding of wheat, barley, malt, and all other kind of grain, and in the turning, grinding, rolling, stamping, or hammering in all kind of mechanical operations, and adapted to the purpose of moving, in a direct position, any ship or vessel against the tide, or where the wind is against the object, or in the failure of wind, and where human or animal strength is inadequate to the purpose, and which machine or piece of mechanism greatly varies from any machine or piece of mechanism hitherto invented for any of the above purposes; to hold to him, his executors, admors, and assigns, within England, Wales, the town of Berwick-upon-Tweed, and all the colonies and plantations abroad, for the term of 14 years pursuant to the statute; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westminster, the 10th day of March, in the year above. By writ, &c.

DEARMAN. 22nd March 1779.

1214. A grant unto RICHARD DEARMAN, of Birmingham, in the county of Warwick, iron master, of his new invented method of making mills for the purpose of grinding malt, wheat, barley, beans, peas, groats, rice, Indian corn, coffee, pepper, seeds, drugs, and all kinds of spice, in the same manner those articles are ground upon what are commonly called steel mills, which he conceives will be of very great publick utility; to hold to him, his executors, administrators, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westm^r, the twenty-second day of March, in the year above. By writ, &c.

BENNETT. 22nd March 1779.

1215. A grant unto THOMAS BENNETT, of the parish of Saint John, Wapping, in the county of Middlesex, brazier, of his new invented compound metal for lining copper, brass, and iron vessels, so as to make them as sweet as if of solid silver, and more durable than any other invention for that purpose hitherto discovered; to hold to him, his ex̃ors, adm̃ors, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westminster, the twenty-second day of March, in the year above. By writ, &c.

ROE. 27th March 1779.

1216. A grant unto WILLIAM ROE, of Liverpool, in the county of Lancaster, copper refiner, of his new invented method of calcining or burning poor copper and lead ores, so as to render the same more valuable and save great expense and labour in the smelting or reducing them into a metalic state; to hold to him, his ex̃ors, adm̃ors, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westminster, the 27th day of March, in the year above. By writ, &c.

CLARKSON. 3rd April 1779.

1217. A grant unto WILLIAM CLARKSON, of the city of Edinburgh, of his new invented use of an elastic or spring adapted to or to be fitted in or with bonnetts, hatts, military caps, hatbands, and other such like pieces of dress for both sexes; it is of so pliant a quality as to fix these pieces of dress so firm as not be removed or incommoded even by the most stormy weather, and when used in or with boots, shoes, shoeboxes, or clogs, slippers, ladies glove knotts, and other such like parts of dress it hath the best effect, in making them more firm than anything hitherto used, and at the same time renders them remarkably neat, easy, and convenient, without subjecting the wearer to the inconveniences attending the methods formerly practiced in adjusting and fixing such pieces of dress; to hold to him, his ex̃ors, adm̃ors, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westm^r, the 3^d day of April, in the year above. By writ, &c.

BLIGHT. 10th April 1779.

1218. A grant unto RICHARD BLIGHT, of Plymouth, in the county of Devon, block and gun carriage maker, of his new invented considerable improvement in the construction of cannon and other guns and gun carriages, the touch-hole and cascabel of the cannon and guns being so constructed that locks may be fitted thereto with the greatest ease and convenience and better security, for the breechings and the gun carriages are so contrived that the ordnance mounted thereon can be loaded with more convenience and expedition than by any other means now practised, and which improvements he hath proved upon repeated trials will be of publick utility; to hold to him, his executors,

admõrs, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westmr, the 10th day of April, in the year above. By writ, &c.

Ward. 10th April 1779.

1219. A grant unto John Ward, of Hinckley, in the county of Leicester, hosier, of his new invented method of manufacturing goods and merchandize, called worsted pieces, silk pieces, and other pieces made of linnen, cotton, and other commodities, upon a stocking frame, to be used for coats, waistcoats, and breeches, and also stockings, gloves, shoes, and other wearing apparel in like manner, by double cross stitch or basket work, which said worsted, silk, and other pieces may be inlaid with gold and silver, and all other proper commodities that can be intermixed therewith; to hold to him, his exors, administrators, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westmr, the 10th day of April, in the year above. By writ, &c.

Jolly. Beatty. 22nd April 1779.

1220. A grant unto Thomas William Jolly, of Bishopgate Street, in the city of London, merchant, and Robert Beatty, of the same place, mariner, of their new invented machine for the steering of ships by an horizontal wheel, quadrants, pinion, and spindles, by which invention the steering of ships is rendered more safe, easy, and secure than by any other machine or invention now used for the steering of ships, and which will be of great benefit, use, and advantage to His Matjesty's subjects using the sea; to hold to them, their exors, admõrs, and assigns, within England, Wales, the town of Berwick-upon-Tweed, and all their colonies and plantations abroad, for the term of 14 years pursuant to the statute; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westmr, the 22nd day of April, in the year above. By writ, &c.

Biaggini. 29th April 1779.

1221. A grant unto Michael Biaggini, of Bateman's Buildings, in the parish of Saint Ann's, Soho, in the county of Middlesex, artificial flower maker, of his new invented or discovered art of stamping and painting silk goods called tiffany, and gauze and other goods in imitation of lace, but with greater expedition and at less expense, and that such discovery will be of publick utility; to hold to him, his exors, admõrs, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westmr, the 29th day of April, in the year above. By writ, &c.

Fordyce. 30th April 1779.

1222. A grant unto Alexander Fordyce, of Harley Street, Cavendish Square, in the county of Middlesex, esqr, of his new invented art of making a salt, commonly called by chymists glauber salts, or the sal mirabile glauberi, from materials cheaper or different, and by a method hitherto unknown in His Majesties dominions; to hold to him, his exors, admõrs, and assigns, within England, Wales, the town of Berwick-upon-Tweed, and all the colonies and plantations abroad, for the term of 14 years pursuant to the statute; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westmr, the 30th day of April, in the year above. By writ, &c.

Shannon. 10th May 1779.

1223. A grant unto Richard Shannon, of the parish of Saint Martin-in-the-Fields, in the county of Middlesex, chymist, of his new invented method of making and preparing pot and pearl ashes, of materials never before made use of by any person or persons whomsoever for the like purpose, and with

furnaces of curious structure contrived for expediting and facilitating the process, and which were never before used or employed by any other person in the like manufacture; to hold to him, his exors, admors, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westm^r, the 10th day of May, in the year above. By writ, &c.

CHAMPION. 17th May 1779.

1224. A grant unto JOHN CHAMPION the younger, of Downend, in the parish of Magotofield, in the county of Gloucester, esquire, of his new invented art of extracting tar out of coal in the operation of coaking it for blast furnaces, which he apprehends will be of good publick utility; to hold to him, his exors, admors, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westm^r, the 17th day of May, in the year above. By writ, &c.

NARBELL. 26th May 1779.

1225. A grant unto ISAAC NARBELL, of Chelsea, in the county of Middlesex, gentleman, of his new invented and discovered certain bitumen or fire mastic, which will be found an expeditious, durable, and efficacious covering of sheathing for His Majesty's ships of war, and all other ships and shipping, in all seasons and climates, as, from the hardness, texture, and binding qualities thereof, no worm or other insect can ever pervade the joints, planks, or other parts of any ships covered therewith, or, from the smoothness and polish which the said bitumen naturally forms and exhibits, defeats the adhesion of any weeds, moss, slime, surf, or other offensive or repugnant matter, which in general corrodes the bottoms and impede the sailing of ships, so that after a voyage of two or three years, even in the most pernicious climates, vessells sheathed with this bitumen will return into port with clean and pure bottoms, which, exclusive of all other advantages, will render the immense expense, labour, and loss of time in caulking and careening totally unnecessary; that the said bitumen may be made into cakes of any size, and not being liable to injury by any climate or element, may be used or carried as ballast in any ship sufficient for its own consumption; and being reduced by fire to a liquid state will be found eminently serviceable in the stoppage of leaks and all other casualties which call for the incessant labour of the pump; and a light covering thereof will also effectually prevent the staving and bursting of the casks containing water, beer, wines, and other liquors for the navy, often attended with the most disagreeable consequences; that the said bitumen will also be found of the greatest utility in many of the most extensive manufactories, especially for the covering or lining of sugar-bakers moulds, brewers coolers, backs, mash-tubbs, dyers pitts, vatts for tanners, gutters, troughs, penthouses, roofs of houses, water pipes, conduits, cysterns, baths, bridges, fortifications, embankments, timber piles, and many other large erections and buildings, as well under as above water; and also of his new invented composition called the Egyptian mastic, which, being reduced from stone into a state of pliability for the trowell, may be laid on all timber buildings, the walls, roofs, and other component parts of houses, and in a few hours after will acquire such a degree of hardness and strength of consistence as to be not only impervious to water and all other damps or moistures, but will effectually preserve all such buildings from fire, and may therefore be eminently serviceable in securing all His Majesty's stores and warehouses, and all other publick erections, and will be equally useful in lining and stopping the ouzings of water into ship docks; that barracks or any other publick building solely composed of timber may be easily covered with the said mastic, and will answer every purpose of brick or stone walls, and the timber or frames

covered therewith, easily conveyed to any part of His Majesty's dominions, for the ample accomodation of the army; that the said Egyptian mastic may also be cast into moulds of different forms and of any magnitude, for building and every species of ornament; and although it will receive and retain the purest and clearest impressions of art whilst in a state of dissolution, it will in a few hours afterwards recover its prestine hardness and durability, and forms a beautiful and lasting stone, with a whiteness and polish equal to marble, without baking or any other operation of fire whatsoever; to hold to him, his exors, admors, and assigns, within England, Wales, the town of Berwick-upon-Tweed, and all the colonies and plantations abroad, for the term of 14 years pursuant to the statute; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westmr, the 26th day of May, in the year above. By writ, &c.

HENRY. 28th May 1779.

1226. A grant unto SOLOMON HENRY, of Swithins Lane, in the city of London, merchant, of his new invented apparatus to act as a universal lock or bolt for fastening doors or openings of all kinds whatsoever, and which apparatus is so constructed as to render it impossible for any person either to pick or open the same unless they have the key thereunto belonging, the whole of which being on a principle new and advantageous; to hold to him, his exors, admors, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westmr, the 28th day of May, in the year above. By writ, &c.

PINTO. 7th June 1779.

1227. A grant unto FRANCIS PINTO, a native of Lisbon, and now residing in the city of London, of his new invented art of preventing and curing smoking chimneys; to hold to him, his executors, admors, and assigns within England, Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westmr, the 7th day of June, in the year above. By writ, &c.

MULLER. 16th June 1779.

1228. A grant unto JOHN DIETRICK MULLER, gentleman, of his new invented machine or engine constructed on self-moving principles, which he apprehends will be of great publick utility; to hold to him, his exors, admors, and assigns, within England, Wales, the town of Berwick-upon-Tweed, and all the colonies and plantations abroad, for the term of 14 years pursuant to the statute; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westmr, the 16th day of June, in the year above. By writ, &c.

WRIGHT. 25th June 1779.

1229. A grant unto GABRIEL WRIGHT, of Fleet Street, in the city of London, mathematical instrument maker, of his new invented and constructed azimuth and amplitude compass and quadrant, for the improvement of navigation and practical astronomy, which he apprehends will be of very great publick utility; to hold to him, his exors, admors, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westmr, the 25th day of June, in the year above. By writ, &c.

LODGE. 12th July 1779.

1230. A grant unto JAMES LODGE, of Vauxhall, in the parish of Saint Mary, Lambeth, in the county of Surry, packer and setter, of his new invented method of drying, tentering, and setting after they have been dyed or whitened, all manner of woollen goods by the means of the heat of fires, in a building properly adapted to the aforesaid purpose; to hold to him, his

exors, admors, and assigns. within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute ; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westmr, the 12th day of July, in the year above.

By writ, &c.

EATON. 28th July 1779.

1231. A grant unto SAMUEL EATON, of Nottingham, in the county of Nottingham, hosier, of his new invented machine for knitting without the use of jacks or sinkers, which he apprehends will be of great publick utility; to hold to him, his exors, admors, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute ; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westmr, the 28th day of July, in the year above. By writ, &c.

TAYLOR. 10th Aug. 1779.

1232. A grant unto JONATHAN TAYLOR, of Birmingham, in the county of Warwick, ironfounder, of his new invented method of casting of oval bellied cast iron potts, and nealing, turning, tinning, and finishing the same ; and also of nealing, turning, tinning, and finishing such kind of round cast iron potts and saucepans as are made with a bead or rim round the top ; to hold to him, his exors, admors, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute ; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westmr, the 10th day of Augst, in the year above.

By writ, &c.

BERGER. 7th Sept. 1779.

1233. A grant unto CHRISTOPHER BERGER, of the parish of St Mary, Lambeth, in the county of Surry, engine maker, of his new invented instrument called a spiral wedge, for the purpose of elevating, pointing, and lowering of cannon and all other pieces of ordnance used both by sea or land, and that with greater ease, expedition, and exactness than the method now used ; the said instrument or spiral wedge can be affixed, as well to those gun carriages now in actual service as to those hereafter to be made, with great ease and expedition ; to hold to him, his exors, admors, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute ; with a clause to inroll the same within 4 calendar months from the date hereof. W. H. M. at Westminster, the 7th day of September, in the year above. By writ, &c.

JOHNSON. 15th Oct. 1779.

1234. A grant unto JOHN JOHNSON, of Berners Street, in the parish of Saint Mary-le-bon, otherwise Marybone, in the county of Middlesex, architect, of his new invented manner of securing buildings from fire, which he apprehends greatly varies from any other method now used for the like purpose, and may be done at a much less expense ; to hold to him, his executors, admors, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within 4 calendar months from the date hereof. W. H. M. at Westminster, the 15th day of October, in the year above. By writ, &c.

ELSE. 29th Oct. 1779.

1235. A grant unto ARTHUR ELSE, of the town of Nottingham, hosier and lace manufacturer, of his new invented manufacture of lace called French or wire ground lace, which is much stronger than any hitherto invented and which he apprehends will be of great publick utility ; to hold to him, his exors, admors, and ass^{s}, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute ; with a clause to inroll the same within 4 calendar months from the date hereof. W. H. M. at Westminster, the 29th day of October, in the 20th year of Our reign.

By writ, &c.

MARCH. 15th Nov. 1779.

1236. A grant unto RICHARD MARCH, of Temple Bar, in the parish of S^{t} Clement Danes, in the co. of Middlesex, hosier, of his new invented engine or machine for regulating and spinning wool, silk, cotton, flax, hemp, &^{c}, which he apprehends will be of great public utility ; to hold to him, his ex̃ors, adm̃ors, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute ; with a clause to inroll the same within 4 calendar months from the date hereof. W. H. M. at Westm^{r}, the 15th day of November, in the year above. By writ, &^{c}.

CHEAPE. 23rd Nov. 1779.

1237. A grant unto WILLIAM CHEAPE, of the city of Edinburgh, linen manufacturer, of his new method of weaving diaper and damask linens for tabling and other purposes ; also some kinds of figured silks, cottons, and worsteds, where 3 or more wooff shots are necessary betwixt each draught without the assistance of drawboys, which he apprehends will be of great public utility, as the charge of manufacturing will be lessened, and the goods brought cheaper to market ; to hold to him, his ex̃ors, adm̃ors, & ass^{s}, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute ; with a clause to inroll the same within 4 calendar months from the date hereof. W. H. M. at Westm^{r}, the 23^{d} day of November, in the year above. By writ, &^{c}.

HARVEY. 24th Nov. 1779.

1238. A grant unto JOSEPH HARVEY, of Bunhill Row, in the parish of S^{t} Luke, in the county of Middlesex, stocking frame work knitter, of his new invented piece of machinery, which is to be added to a stocking frame for making of lace, called Brussels or double ground lace, for shades, aprons, handkerchiefs, cap, mitts, gloves, purses, waistcoats, and shauls, and various sorts of open work, which he apprehends (if extended) will prove of great utility ; to hold to him, his ex̃ors, adm̃ors, & ass^{s}, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute ; with a clause to inroll the same within 4 calendar months from the date hereof. W. H. M. at Westm^{r}, the 24th day of November, in the year above. By writ, &^{c}.

CHAMPION. 24th Nov. 1779.

1239. A grant unto JOHN CHAMPION the elder, of the city of Bristol, merch^{t}, of his new invented process for making brass and spelter, which he apprehends will be of great public utility ; to hold to him, his ex̃ors, adm̃ors, & ass^{s}, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 ỹrs pursuant to the statute ; with a clause to inroll the same within 4 calendar months from the date hereof. W. H. M. at Westm^{r}, the 24th day of Nov^{r}, in the year above. By writ, &^{c}.

KEIR. 10th Dec. 1779.

1240. A grant unto JAMES KEIR, of Birmingham, in the county of Warwick, gentleman, of his new invented compound metal, capable of being forged when red hot or when cold, and more fit for making of bolts, nails, and sheathing for ships than any metal heretofore used for those purposes ; and also for various other purposes where other metals have been used, which he apprehends will be of great public utility ; to hold to him, his ex̃ors, adm̃ors, & ass^{s}, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute ; with a clause to inroll the same within 4 calendar months from the date hereof. W. H. M. at Westm^{r}, the 10th day of Dec^{r}, in the year above. By writ, &^{c}.

GREAVES. 17th Dec. 1779.

1241. A grant unto EDMUND GREAVES, of Sheffield, in the co. of York, silversmith, of his new invented candlestick with a screw nossil, contrived to raise or lower the candle at pleasure ; to hold to him, his ex̃ors, adm̃ors, & assigns, within England, Wales, & town of Berwick-upon-Tweed for the term

of 14 years pursuant to the statute ; with a clause to inroll the same within 4 calendar months from the date hereof. W. H. M. at Westm^r, the 17^th day of Dec^r, in the year above. By writ, &c.

BELL. 26th Dec. 1779.

1242. A grant unto WILLIAM BELL, of Birmingham, in the co. of Warwick, jeweller and toymaker, of his new invented method of affixing impressions from dies upon gold, silver, or metals by means of rolling cylanders on which such dies are engraved, which will be to the great benefit of trade, particularly to the buckle, button, & toy manufactories ; to hold to him, his exors, admors, & ass^s, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute ; with a clause to inroll the same within 4 calendar months from the date hereof. W. H. M. at Westm^r, the 26^th day of Dec^r, in the year above. By writ, &c.

SANDERSON. 5th Feb. 1780.

1243. A grant unto MATHEW SANDERSON, of Masbrough, in the parish of Rotherham, in Our county of York, chymist and refiner, of his new process for extracting from lead glitter or blue stone, and iron ores, allum, sulphur, white and green vitriols, and from copper ores blue vitriol, refining and separating their metallic contents by a blast furnace, and rendering their refuse useful in paintings & other purposes, which he apprehends will be of great public utility ; to hold to him, his exors, admors, & ass^s, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 yrs pursuant to the statute ; with a clause to inroll same within 4 calendar months from the date hereof. W. H. M. at Westm^r, the 5^th day of Febry, in the year above. By writ, &c.

WATT. 14th Feb. 1780.

1244. A grant unto JAMES WATT, of Birmingham, in our county of Warwick, engineer, of his new invented method of coppying letters and other writings expeditiously ; to hold to him, his exors, admors, & ass^s, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute ; with a clause to inroll the same within 4 calendar months from the date hereof. W. H. M. at Westm^r, the 14^th day of February, in the year above. By writ, &c.

WORTHINGTON. RAMSBOTHAM. 23rd Feb. 1780.

1245. A grant unto ROGER WORTHINGTON, of Manchester, in the county of Lancaster, dyer and printer, and JAMES RAMSBOTHAM, of the same place, clothier, of their new invented method of printing in water colours woolen cloths, woolen stuffs, and woolen mixtures ; to hold to them, their exors, admors, & ass^s, within England, Wales, and town of Berwick-upon-Tweed, and also within the colonies and plantations abroad, for the term of 14 years pursuant to the statute ; with a clause to inroll the same within 4 calendar months from the date hereof. W. H. M. at Westminster, the 23^rd day of Febry, in the year above. Not sealed. By writ, &c.

KING. 4th March 1780.

1246. A grant unto JAMES KING, of Newcastle-upon-Tyne, merchant, of his new invented British barillia, for the making and manufacturing of crown window glass, broad window glass, and glass bottles, and also for the manufacturing of soap and allum to much greater advantage than any other material hitherto used in the manufacturing of these comodits, which new invented British barillia is composed of materials wholly the produce of this country ; to hold to him, his exors, admors, & ass^s, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute ; with a clause to inroll the same within 4 calendar months from the date hereof. W. H. M. at Westm^r, the 4^th day of March, in the year above. By writ, &c.

CAMPION. 4th March 1780.

1247. A grant unto JOHN CAMPION, of Newcastle Court, in the parish of Saint Clement Danes, in the county of Middlesex, locksmith, of his new invented alteration in the formation and construction of all kinds of locks and latches, so as they cannot be opened or picked, but with a key which is made for the same, and so as no dirt, dust, or other matter can enter through the keyhole of such locks & latches which may damage the same ; to hold to him, his exors, admors, & ass^{s}, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute ; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westm^{r}, the 4th day of March, in the year above. By writ, &^{c}.

CLAGGETT. 16th March 1780.

1248. A grant unto CRISPUS CLAGGETT, of Bayswater Lodge, in the co. of Middx, esq^{r}, of his new invented travelling machine (which he stiles the Imperial Mercury,) for the greater convenience and accommodation of travellers, and which is more commodious and better adapted for the purpose of travelling than any carriage hitherto invented or at present in use ; to hold to him, his exors, admors, & ass^{s}, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute ; with a clause to inroll the same within 4 calendar months from the date hereof. W. H. M. at Westm^{r}, the 16th day of March, in the year above. By writ, &^{c}.

RECORDON. 18th March 1780.

1249. A grant unto LOUIS RECORDON, of Greek Street, Soho, in the co. of Middx, watchmaker, of his new invented method of making watches upon a new construction, so as to keep time and motion without the usual method of winding up by a key or other manual operation, by which means the works will be rendered more durable and less liable to accident ; to hold to him, his exors, admors, & ass^{s}, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute ; with a clause to inroll the same within 4 calendar months from the date hereof. W. H. M. at Westm^{r}, the 18th day of March, in the year above. By writ, &^{c}.

MITCHELL. 30th March 1780.

1250. A grant unto JOHN MITCHELL, of Oakely, in the parish of S^{t} Laurence, Wootton, in the co. of Hants, gent., of his new invented method of rectifying spent lees from which soap has been made, and rendering the same of a quality sufficient for making soap again, which he apprehends will be of great public utility ; to hold to him, his exors, adms, & ass^{s}, within Engl^{d}, Wales, & town of Berwick-upon-Tweed for the term of 14 years psuant to the stat. ; with a clause to inroll the same within 4 calendar months from the date hereof. Witness, &^{c}, 30th day of March, &^{c}. By writ, &^{c}.

ELWELL. 7th April 1780.

1251. A grant unto JOHN ELWELL, of the parish of Saint James, Westminster, in the co. of Middx, smith and brazier, of his new invented method of making the several utensils and articles of various denominations and sizes used for the purposes of cookery or confectionary, or for boiling, baking, frying, stewing, preserving, or for any other uses or purposes whats^{r}, of pure grain tin, with or without another metal, so prepared and united therewith as to render it properly hard and strong, whereby many fatal consequences attending those now made use of will be prevented ; to hold to him, his exors, admors, & assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute ; with a clause to inroll the same within 4 calendar months from the date. W. H. M. at Westm^{r}, the 7th day of April, in the year above. By writ, &^{c}.

STORER. 10th April 1780.

1252. A grant unto WILLIAM STORER, of Lisle Street, Leicester Fields, in Our co. of Middx, gent., of his new invented telescopes, microscopes, spectacles, opera glasses, and other optical instruments, which are thereby rendered

more accurate, more distinct, and more luminous, and in particular whereby a refracting telescope of 15 inches long has all the powers of the best two-feet reflector, with the additional advantages of a larger field, more light and distinctness of vision, and may be easier adapted to the size of the object and state of the atmosphere; and by which said invention one and the same portable refracting telescope made be made to answer the purpose and have all the powers of telescopes of the various lengths and sizes now in use; and which new invented telescopes are admirably adapted for the purpose of navigation and of terrestrial and astronomical observations; to hold to him, his exors, admrs, & assrs, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within 4 calendar months from the date hereof. W. H. M. at Westmr, the 10th day of April, in the twentieth year of Our reign.

By writ, &c.

Olivier.
22nd April 1780.

1253. A grant unto Joseph Olivier, of the parish of St James, in the city and liberty of Westmr, pattern drawer, of his new invented parapluie or waterproof hat, which will effectually keep out rain and damp; to hold to him, his exors, admors, & assrs, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within 4 calendar months from the date hereof. W. H. M. at Westmr, the 22d day of April, in the year above. By writ, &c.

Lindopp.
4th May 1780.

1254. A grant unto Thomas Lindopp, of Birmingham, in the co. of Warwick, brass founder and factor, of his new invented method of making up saddles, which he calls scoop saddles, and which, for the convenience and ease of either sex travelling on horseback, as he believes, far surpasses any saddles ever yet attempted, being so constructed with a cavity therein as to contain some necessary apparel or other articles, with a lock and key to secure the same; to hold to him, his exors, admors, & assrs, within England, Wales, and Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within 4 calendar months from the date hereof. W. H. M. at Westmr, the 4th day of May, in the year above.

By writ, &c.

Bache.
4th May 1780.

1255. A grant unto William Bache, of Birmingham, in the co. of Warwick, chymist, of his new invented instrument or machine which he calls by the name of a propeller, to be applied for the improving the power of mills and forges, and to answer various other hydrostatical purposes; to hold to him, his exors, admors, & assrs, within England, Wales, and Berwick-upon-Tweed for the term of 14 years psuant to the statute; with a clause to inroll the same within 4 calendar months from the date hereof. W. H. M. at Westmr, the 4th day of May, in the year above. By writ, &c.

Donnithorne.
Sherson.
Smith.
12th June 1780.

1256. A grant unto Nicholas Donnithorne, of the parish of Saint Mary, Aldermanbury, merchant, Robert Sherson, of Bridewell precinct, gent., and Edward Smith, of Bush Lane, smelter and dealer in metals, all of the city of London, of their new invented white composition called marine metal, which will be found particularly useful for sheathing ships and other valuable purposes, the peculiar quality of which composition is such that it will not corrode nor be corroded by iron or any other metals, neither will it be affected by marine salt, or attract matter so as to become foul; to hold to them, their exors, admors, & assrs, within England, Wales, and town of Berwick-upon-Tweed, and also within all Our colonies and plantatns abroad, for the term of 14 years psuant to the statute; with a clause to inroll the same within 4 calendar months from the date hereof. W. H. M. at Westmr, the 12th day of June, in the year above. By writ, &c.

UNWIN.
14th June 1780.

1257. A grant unto SAMUEL UNWIN the younger, of Sutton Ashfield, in the co. of Nottingham, merchant, of his new invented process or mode of rendering soap-suds, after having been used in scouring, cleansing, or discharging, of sufficient efficacy to serve again for the same or the like purposes, and to make soap therefrom; to hold to him, his exors, admrs, & assrs, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within 4 calendar months from the date. W. H. M. at Westmr, the 14th day of June, in the year above. By writ, &c.

SOMERTON.
14th June 1780.

1258. A grant unto WILLIAM SOMERTON, of the city of Bath, in the county of Somerset, carrier, of his new invented method of making friction boxes, collars, or rundles for the wheels or axletrees of wheels, and other carriages, as well as for googings, arbors, spindles, pins, screws, hinges, and other purposes in house-work, mill-work, ship-work, and in engines and machines of every kind, which will be of general benefit; to hold to him, his exors, admors, & assrs, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westmr, the 14th day of June, in the year above. By writ, &c.

DICAS.
27th June 1780.

1259. A grant unto JOHN DICAS, of Liverpool, in the county palatine of Lancaster, brandy merchant, of his new invented method of constructing the hydrometer, and also a sliding rule adapted thereto, by which the real strength and comparative value of spirituous liquors, malt worts, and wash for fermentation may be exactly ascertained, which he apprehends will be found very beneficial to the revenue and subjects; to hold to him, his exors, admors, & assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westmr, the 27th day of June, in the year above. By writ, &c.

FLIGHT.
27th June 1780.

1260. A grant unto JOSEPH FLIGHT, of Our city of London, merchant, of his new invented method of making a colour for the dyers and callico printers; to hold to him, his exors, admors, and assrs, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within 4 calendar months from the date hereof. W. H. M. at Westmr, the 27th day of June, in the year above. By writ, &c.

REDMAN.
29th June 1780.

1261. A grant unto WM REDMAN, of Salisbury, in the co. of Wilts, tin plate worker, of his new invention called the Salisbury portable kitchen, for roasting, boiling, or baking any kind of provision in any room, or in the open air, without the assistance of a common fire-place, and which may be removed from place to place at pleasure; to hold to him, his exors, admors, & assrs, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within 4 calendars from the date hereof. W. H. M. at Westmr, the 29th day of June, in the year above. By writ, &c.

LEVY.
5th July 1780.

1262. A grant unto JACOB LEVY, of Garden Court, in the parish of Saint Bottolph, Aldgate, in the city of London, gent., of his new invented art of making from wheat, the growth of this kingdom, semolina, from which vermicelli and maccaroni are manufactured, equal in quality and goodness to that imported from Italy; to hold to him, his exors, admors, & assrs, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant

to the statute; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westm^r, the 5^th day of July, in the year above. By writ, &c.

PICKARD. 23rd August 1780.

1263. A grant unto JAMES PICKARD, of Birmingham, in the county o Warwick, of his new invented mill or machine upon an entire new construction, which will be of great advantage in various manufactories, such as rolling, turning, boring, grinding of corn, and all other sorts of grinding, forging, flatting, and slitting of iron, and every other work that a mill is capable of performing by a rotative motion, which he conceives will be of great public utility; to hold to him, his ex̃ors, adm̃ors, & ass^s, within England, Wales, and town of Berwick-upon-Tweed, and also within all Our colonies and plantations abroad, for the term of 14 years pursuant to the statute; with a clause to inroll the same within 4 calendar months from the date hereof. W. H. M. at Westm^r, the 23^d day of August, in the year above. By writ, &c.

BULL. 15th Sept. 1780.

1264. A grant unto MARK BULL, of Mark Lane, in the parish of Allhallows, Steyning, in the city of London, sadler, of his new invented machine to support an umbrella, which may be fixed to any saddle or phaeton or any other carriage whats^r; to hold unto him, his ex̃ors, adm̃ors, and ass^s, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within 4 calendar months from the date hereof. W. H. M. at Westm^r, the 15^th day of Sept^r, in the year above. By writ, &c.

BETTS. 22nd Sept. 1780.

1265. A grant unto WILLIAM BETTS, of Mansfield, in the county of Nottingham, framesmith, of his new invented machine, engine, or instrument for weaving or manufacturing of silk, thread, cotton, & worsted, and also wollen and all other kinds of yarns, which he apprehends will be of great public utility; to hold to him, his ex̃ors, adm̃ors, & assigns, within England, Wales, and town of Berwick-upon-Tweed, and also within all Our colonies and plantations abroad, for the term of 14 years pursuant to the statute; with a clause to inroll the same within 4 calendar months from the date hereof. W. H. M. at Westm^r, the 22^d day of September, in the year above.

JOHNSON. 16th Oct. 1780.

1266. A grant unto HENRY JOHNSON, of Great Castle Street, in the parish of Saint Mary-le-Bon, in the county of Middlesex, gentleman, of his new method of casting and moulding types, for the purpose of composing and printing by or with entire words, with several words combined, with sentences and syllables, and with figures combined, instead of the usual method of composing and printing with single letters, and of rendering the use of the said types, and printing with the same, easy and familiar to the most ordinary capacity, whereby every species of printing may be executed in one fourth part of the time in which they have been usually executed, and consequently at much less expense; to hold to him, his ex̃ors, adm̃ors, & ass^s, within England, Wales, and town of Berwick-upon-Tweed, and also within all His Majesty's colonies and plantations abroad, for the term of 14 years pursuant to the statute; with a clause to inroll the same within 4 calendar months from the date hereof. W. H. M. at Westm^r, the 16^th day of October, in the year above. By writ, &c.

ROBINSON. 21st Oct. 1780.

1267. A grant unto THOMAS ROBINSON, of Whitehall, in the parish of S^t Martin-in-the-Fields, in the county of Midd^x, ironmonger, of his new constructed kitchen range which winds up on one side only, and has a perpetual baking oven fixt on the other side, which is heated without any

additional fire, without the assistance of any flew or chimney, and may be made to any dimensions whatsoever; to hold to him, his exors, admors, & ass^{s}, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 y^{s} pursuant to the statute; with a clause to inroll the same within 4 calendar months from the date hereof. W. H. M. at W., the 21st day of October, in the year above. By writ, &c.

PECKITT. 22nd Nov. 1780.

1268. A grant unto WILLIAM PECKITT, of the city of York, glass painter and stainer, of his new method of composing stained glass, of whatever colour, with unstained glass, whether crown, flint, or of any other sort, and of making the same composition into tables, sheets, vessels, and ornaments, and of producing thereby many curious works, which he conceives will be of great utility; to hold to him, his exors, admors, & ass^{s}, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westm^{r}, the 22^{d} day of Novem^{r}, in the year above. By writ, &c.

ROGERSON. 5th Dec. 1780.

1269. A grant unto ROGER ROGERSON, of Warrington, in the co. palatine of Lancaster, merchant, of his entire new machine called a laundry, for the purpose of washing and pressing of all sorts of household linen, wearing apparel, and other things in a much less expensive and laborious and more expeditious manner than any hitherto practised; to hold to him, his exors, admors, & ass^{s}, within England, Wales, and town of Berwick-upon-Tweed, and also within His Majesty's colonies and plantat^{ns} abroad, for the term of 14 years pursuant to the statute; with a clause to inroll the same within 4 calendar months from the date hereof. W. H. M. at Westm^{r}, the 5th day of December, in the year above. By writ, &c.

AITKEN. 5th Dec. 1780.

1270. A grant unto JOHN AITKEN, fellow of the Royal College of Surgeons of the city of Edinburgh, of his new method of loading tubes, barrels, callibers, or bores, commonly called guns or fire arms, &c, whe^{r} the same be mounted or unmounted, of every form, dimension, and denomination, with two or more charges of gunpowder and shot or balls, said charges placed before one another in one tube, (the situation of said tubes supposed horizontal,) and of discharging them from said tube in succession by fire communicated through correspondent perforations or touch holes or otherwise; to hold to him, his exors, adm^{s}, & ass^{s}, within England, Wales, and town of Berwick-upon-Tweed, and also within all His Majesty's colonies and plantat^{ns} abroad, for the term of 14 years pursuant to the statute; with a clause to inroll the same within 4 calendar months from the date hereof. W. H. M. at Westm^{r}, the 5th day of Dec^{r}, in the year above. By writ, &c.

BRODIE. 8th Dec. 1780.

1271. A grant unto ALEXANDER BRODIE, of Carey Street, Chancery Lane, in the co. of Middx, whitesmith, of his new ship stove, kitchen, or hearth, with a smoke-jack and iron boilers, which is preferable to any hitherto discovered; to hold to him, his exors, admors, & ass^{s}, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within 4 calendar months from the date hereof. W. H. M. at Westm^{r}, the 8th day of December, in the year above. By writ, &c.

WILLIAMS. 11th Dec. 1780.

1272. A grant unto RICHARD WILLIAMS, of New Compton Street, Soho, in the county of Middx, doctor of physick, of his new invented mortar or stucco for the use and purposes of buildings; to hold to him, his exors, admors, & ass^{s}, within England, Wales, and town of Berwick-upon-Tweed for the

term of 14 years pursuant to the statute ; with a clause to inroll the same within 4 calendar months from the date hereof. W. H. M. at Westm^r, the 11^th day of December, in the year above. By writ, &c.

WINWOOD. 13th Dec. 1780.

1273. A grant unto DANIEL WINWOOD, of Birmingham, in the county of Warwick, ironmaster, of his new method of making and manufacturing buckle chapes ; to hold to him, his ex̃ors, adm̃ors, and ass^s, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years p̃suant to the statute ; with a clause to inroll the same within 4 calendar months from the date hereof. W. H. M. at Westm^r, the 13th day of December, in the year above. By writ, &c.

BECK. 16th Dec. 1780.

1274. A grant unto GEORGE BECK, of Plymouth Dock, in the county of Devon, gentleman, of his complete apparatus for surveying and planning in general, both by land and sea, which is more easy and expeditious in use than any other already invented, and equally accurate with any instrument or apparatus heretofore made for the purpose of planning and surveying ; to hold to him, his ex̃ors, adm̃ors, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years ; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westminster, the 16^th day of December, in the 21^st year of His reign. By writ, &c.

GRAEFER. 30th Dec. 1780.

1275. A grant unto JOHN GRAEFER, of Mile End, in the parish of Saint Dunstan, Stepney, botanic gardener, of his new invented art of drying and preparing a vegetable of the brassica kind, generally known by the name of green and brown borecole, Scotch, or other kale, which is done in such a manner that it will keep a twelvemonth or longer without loosing any of its real natural flavour as an excellent food, or its virtue as a great preventative of scorbutic disorders, which he conceives will be of great public utility, particularly to His Majesty's navy ; to hold to him, his ex̃ors, adm̃ors, & ass^s, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years according to the statute ; with a clause to inroll the same within 4 calendar months from the date hereof. W. H. M. at Westm^r, the 30^th day of December, in the year above. By writ, &c.

MATTHEWS. 9th Jan. 1781.

1276. A grant unto GEORGE MATTHEWS, of Broseley, in the county of Salop, ironmaster, of his new invented engine to work by the power of fire and steam, to be used in the iron and copper manufactories and for many other valuable purposes ; to hold to him, his ex̃ors, adm̃ors, & ass^s, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years according to the statute ; with a clause to inroll the same within 4 calendar months from the date hereof. W. H. M. at Westm^r, the ninth day of Janr̃y, in the year above. By writ, &c.

ANGELL. 24th Jan. 1781.

1277. A grant unto ALBERT ANGELL, of the parish of Saint Mary, Whitechapel, in the co. of Mx, painter, of his new invented mixture or composit^n called Britannick elastic gum, very serviceable and useful in the several branches of portrait and house painting, by making the colours durable and free from peeling ; also of great utility in gilding, painting, penciling, and staining of silks, calicoes, &c, and in dressing of silk, linen, and cotton in the loom, instead of gum or paste, so as to strengthen the threads of the finest cottons ; and is also excellent in beautifying and fixing the colors upon paper, equal to that done in India ; and it is of the greatest use for rendering the clay or composition used in modeling supple, and preventing the same from drying too fast, and for causing a transparency of colours fit for china and earthenware, so as to stand baking or burning ; to hold to him,

his exors, admors, & asss, within England, Wales, & town of Berwick-upon-Tweed, and also within all His Majesty's colonies & plantations abroad, for the term of 14 years, pursuant to the statute ; with a clause to inroll the same within 4 calendar months from the date hereof. W. H. M. at Westmr, the 24th day of January, in the year above. By writ, &c.

Wilson. 16th Feb. 1781.

1278. A grant unto Thomas Wilson, of Snow Hill, in the parish of Saint Sepulchres, in the city of London, chymist, of his medicinal composition, which, after much experience, hath been found to be an infallible remedy for agues and intermitting fevers, even in the most obstinate cases, where the bark and every other medicine hath proved ineffectual ; to hold to him, his exors, admors, & asss, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute ; with a clause to inroll the same within 4 calendar months from the date hereof. Witness H. M. at W., the 16th day of Febry, in the year above. By writ, &c.

Reaves. 22nd Feb. 1781.

1279. A grant unto James Reaves, of Chesterfield, in the county of Derby, table fork maker, of his new invented art of making table fork blades, both scale and round tongs, with two, three, or more prongs, also spring knife scales commonly called cutteau or pocket knife scales, of various sorts, which he casts from cast metal called pig iron, either entirely of the metal or intermixed with steel or other metal or metals, which, by a new preparation of tempering the several articles, renders them sufficiently strong and elastic for every purpose and use to which the same may be applied, and which he humbly apprehends will be of much public utility, as it will be a means of greatly reducing the labour & price upon the above-mentioned articles ; to hold to him, his exors, admors, & asss, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute ; with a clause to inroll the same within 4 calendar months from the date hereof. W. H. M. at W., the 22d day of Febry, in the year above. By writ, &c.

Hunt. 26th Feb. 1781.

1280. A grant unto Harriot Bridget Hunt, of Dean Street, in the parish of Saint Ann, Soho, in the county of Middlesex, garter ribband weaver, wife of Thomas Hunt, merchant, of her entire new and peculiar method of making all sorts of hats, cloaks, waistcoats, and other things beautifully ornamented with feathers & other materials ; to hold to him, his exors, admors, & asss, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 yrs according to the statute ; with a clause to inroll the same within 4 calendar months from the date hereof. W. H. M. at Westmr, the 26th day of Febry, in the year above. By writ, &c.

Turner. 26th Feb. 1781.

1281. A grant unto James Turner, of the city of Westmr, gent., of his new invented method of producing a yellow colour for painting in oil or water, making white lead, and of seperating the mineral alcaline from common salt, all to be performed in one single process ; to hold to him, his exors, admors, & asss, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 yrs pursuant to the statute ; with a clause to inroll the same within 4 calendar months from the date hereof. W. H. M. at Westmr, the 26th of Febry, in the year above. By writ, &c.

Morris. 5th March 1781.

1282. A grant unto John Morris, of the town and county of the town of Nottingham, gentleman, of his entire new twisting machine for the manufacturing and making of Brussels point lace, and of all other open worked lace made of silk, cotton, thread, & worsted ; to hold to him, his exors, admors, & asss, within England, Wales, and town of Berwick-upon-Tweed

for the term of 14 ỹrs p̃suant to the statute ; with a clause to inroll the same within 4 calendar months from the date hereof. W. H. M. at W., the 5th day of March, in the year above. By writ, &c.

WARREN. 9th March 1781.

1283. A grant unto RICHARD WARREN, of Cheapside, in the city of London, perfumer, of his new invented method of preparing leather gloves with flowers, fruits, and vegetables, so as to preserve the hands & arms from chopping and the other effects of cold, never before put in practice ; to hold to him, his ex̃ors, adm̃ors, & ass^{s}, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute ; with a clause to inroll the same within 4 calendar months from the date hereof. W. H. M. at W., the ninth day of March, in the year above. By writ, &c.

WATERS. 9th March 1781.

1284. A grant unto JOHN WATERS, of Birmingham, in the county of Warwick, gun and pistol maker, of his new invented pistol with a bayonet, upon an entire new construction ; to hold to him, his ex̃ors, adm̃ors, & ass^{s}, within England, Wales, and town of Berwick-upon-Tweed, for the term of 14 years pursuant to the statute ; with a clause to inroll the same within 4 calendar months from the date hereof. W. H. M. at W., the ninth day of March, in the year above. By writ, &c.

ELLIOTT. 9th March 1781.

1285. A grant unto RICHARD ELLIOTT, of Padstow, in the co. of Cornwall, joiner, of his new invented method of covering houses and other buildings with slate, on a far more eligible and secure plan than has hitherto been adopted, whereby one half of the common expence may be saved, and the work neater and better performed, and not so liable to be damaged by storms or frosts as the method now in use ; to hold to him, his ex̃ors, adm̃ors, & ass^{s}, within England, Wales, & town of Berwick-upon-Tweed, for the term of 14 years pursuant to the statute ; with a clause to inroll the same within 4 calendar months from the date hereof. W. H. M. at W., the ninth day of March, in the year above. By writ, &c.

GARRARD. 21st March 1781.

1286. A grant unto WILLIAM GARRARD, of Gloster Buildings, Newington, in the county of Surry, gentleman, of his new invented antimeter or reflecting sector, with its appendages, for measuring angles accurately by land or sea ; to hold to him, his ex̃ors, adm̃ors, & ass^{s}, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute ; with a clause to inroll the same within 4 calendar months from the date hereof. W. H. M. at Westm^{r}, the 21st March, in the year above. By writ, &c.

PARKER. 28th March 1781.

1287. A grant unto WILLIAM PARKER, of Fleet Street, in the city of London, glassman, of his new invented method of making pedestals or supporters for candlesticks, girandoles, chandeliers, candelabrums, lamps, candle shades, epargns, clocks, watches, terms, tripods, vases, or urns, of various materials and variously ornamented ; to hold to him, his ex̃ors, adm̃ors, & ass^{s}, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute ; with a clause to inroll the same within 4 calendar months from the date hereof. W. H. M. at W., the 28th day of March, in the year above. By writ, &c.

DUNDAS. 28th March 1781.

1288. A grant unto GEORGE DUNDAS, of Banbury, in the county of Oxford, sadler and whip maker, of his new invented method of spinning of jersey, by a new and useful engine, machine, or instrument never before known or used; to hold to him, his ex^{s}, adm^{s}, & ass^{s}, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute ; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at W., the 28th day of March, in the year above. By writ, &c.

ROBERTS.
20th April 1781.

1289. A grant unto WILLIAM ROBERTS, of Brumpton Row, in the co. of Midd̃x, gent., of his new invented method of cutting and preparing prints or moulds of whole and compleat objects and designs, which he calls arabesque, to the extent of from 3 feet 7 inches (the largest hitherto used) to 10 feet and upwards in length, and from 2 feet and one half to 3 and 4 feet wide, or more, where occasion may require, and of using and applying such prints or moulds in printing, painting, or staining of paper, linen, woolen, cotton, or silk, or any manufacture made of the said articles, either entire or mixed, in various designs and colours, wherewith such paper or other furniture may be done and laid on rooms and apartments of any dimensions in entire and compleat impressions without mutilation or addition, which he conceives will be of great publick utility; to hold to him, his ex̃ors, adm̃ors, & ass^{s}, within England, Wales, & town of Berwick-upon-Tweed, and also within all His Majesty's colonies and plantat^{ns} abroad, for the term of 14 years pursuant to the statute; with a clause to inroll the same within 4 calendar months from the date hereof. Witness H. M. at Westm^{r}, the 20th day of April, in the year above. By writ, &^{c}.

SQUIRE.
23rd April 1781.

1290. A grant unto WILLIAM SQUIRE, of Wardour Street, in the parish of Saint James, & liberty of Westm^{r}, & co. of Midd̃x, tool & instrument maker, of his new invented instrument in surgery, called by name a spring truss, for the relief of persons afflicted with ruptures; to hold to him, his ex̃ors, adm̃ors, & ass^{s}, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years; with a clause to inroll within 4 calendar months from the date hereof. W. H. M. at Westm^{r}, the 23rd day of April, in the year above. By writ, &^{c}.

DUNDONALD.
30th April 1781.

1291. A grant unto ARCHIBALD Earl of DUNDONALD, of his new invented method of extracting or making tar, pitch, essential oils, volatile alkali, mineral acids, salts, and cinders from pit coal; to hold to him, his ex̃ors, adm̃ors, & ass^{s}, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westm^{r}, the 30th day of April, in the year above. By writ, &^{c}.

EVERS.
9th May 1781.

1292. A grant unto WILLIAM EVERS, of the township of Pulton, in the parish of Rothwell, in the county of York, wireworker, of his new invented machine made of copper & iron and other metals, japanned or otherwise, as well for warming beds and giving and preserving warmth to those parts of sick persons which are seized or afflicted with any disorder, as for keeping victuals hot which are served upon dishes for the table, of an entire new construction; to hold to him, his ex̃ors, adm̃ors, & ass^{s}, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within 4 calendar months from the date hereof. W. H. M. at Westm^{r}, the ninth day of May, in the 21st year of our reign. By writ, &^{c}.

WINWOOD.
28th MAY 1781.

1293. A grant unto DANIEL WINWOOD, of Birmingham, in the co. of Warwick, buckle chape maker, of his new invented method of making and fixing together buckle chapes and tongs upon an entire new construction, which will be of great advantage in the manufactory & trade of buckle chape making; to hold to him, his ex̃ors, adm̃ors, & ass^{s}, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within 4 calendar months from the date hereof. W. H. M. at Westm^{r}, the 28th day of May, in the year above. By writ, &^{c}.

FROST.
1st June 1781.

1294. A grant unto THOMAS FROST, of the town and county of the town of Nottingham, framework knitter, of his new invented machine, to be fixed to a stocking frame, for making a new sort of nett or open work, in silk, cotton, thread, worsted, or other materials; to hold to him, his exors, admors, & ass^{s}, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within 4 calendar months from the date hereof. W. H. M. at Westm^{r}, the 1st day of June, in the year above. By writ, & .

TAYLOR.
5th June 1781.

1295. A grant unto WALTER TAYLOR, of Southampton, blockmaker, of his improvement in the construction of shivers or pulleys for ship blocks, which are better adapted for the rigging of ships and other purposes than any now in use; to hold to him, his executors, admors, & ass^{s}, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within 4 calendar months from the date hereof. W. H. M. at Westm^{r}, the 5th day of June, in the year above. By writ, &^{c}.

BAKER.
25th June 1781.

1296. A grant unto HENRY BAKER, of Liverpool, in the co. of Lancaster, enameller, of his new invented method of ornamenting glass, by a composition of colours or materials impressed or made upon the glass by means of copper or other plates, and wooden blocks or cutts; to hold to him, his exors, admors, & assigns, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 yrs pursuant to the statute; with a clause to inroll the same within 4 calendar months from the date hereof. W. H. M. at W., the 25th day of June, in the year above. By writ, &^{c}.

EMERSON.
13th July 1781.

1297. A grant unto JAMES EMERSON, of the parish of Britton, in the co. of Gloucester, brass and spelt maker, of his new invented art of making brass with copper and spelter; to hold to him, his exors, admors, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years; with a clause to inroll the same within 4 calendar months from the date hereof. W. H. M. at Westm^{r}, the 13th day of July, in the year above. By writ, &^{c}.

HORNBLOWER.
13th July 1781.

1298. A grant unto JONATHAN HORNBLOWER, of Penryn, in the county of Cornwal, plumber and brazier, of his new invented machine or engine for raising water and other liquids, and for other purposes, by means of fire and steam; to hold to him, his exors, admors, and ass^{s}, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within 4 calendar months from the date hereof. W. H. M. at Westm^{r}, the 13th day of July, in the year above. By writ, &^{c}.

PELTRAU.
NAYLOR.
27th July 1781.

1299. A grant unto JOHN PELTRAU, of Upper Moorfields, in the parish of S^{t} Leonards, Shoreditch, in the county of Middlesex, handkerchief weaver, and WILLIAM NAYLOR, of the parish of S^{t} Dunstans, Stepney, in the said county, dyer, of their new invented method of tying the spotts of silk handkerchiefs in the imitation of India handkerchiefs, by which the spotts are not only made more uniform, perfect, and full, but also the colours retain their original state and beauty more than by any other method heretofore used in the manufacturing of silk handkerchiefs; to hold to them, their ex^{s}, adm^{s}, & ass^{s}, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 yrs; with a clause to inroll the same within 4 calendar months from the date hereof. W. H. M. at W., the 27th day of July, in the year above. By writ, &^{c}.

ASH.
27th July 1781.

1300. A grant unto ROBERT ASH, of the borough of Leicester, in the county of Leicester, frame work knitter, of his new invented machine, to be fixed to a stocking frame, for making a new sort of fastened platted work in silk, cotton, thread, & worsted, or other materials; to hold unto him, his exors, admors, & ass^{s}, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within 4 calendar months from the date hereof. W. H. M. at W., the 27th day of July, in the year above. By writ, &c.

BECKWITH.
28th July 1781.

1301. A grant unto THOMAS BECKWITH, of the city of York, painter, of his new invented method of making crayons, for drawing and other purposes, of various colours, superior to any heretofore made; to hold to him, his exors, admors, and assigns, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within 4 calendar months from the date hereof. W. H. M. at Westm^{r}, the 28th day of July, in the year above. By writ, &c.

HIGGINS.
31st July 1781.

1302. A grant unto BRYAN HIGGINS, of the parish of Saint Ann, in Our county of Middx, doctor of physick, of his new invented art of extracting or producing mineral alkali and fixed vegetable alkali, which he apprehends will be useful to the publick; to hold to him, his ex^{s}, adm^{s}, & ass^{s}, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within 4 calendar months from the date hereof. W. H. M. at Westm^{r}, the 31st day of July, in the year above. By writ, &c.

FORDYCE.
1st August 1781.

1303. A grant unto ALEXANDER FORDYCE, of Harley Street, Cavendish Square, in the parish of Saint Mary-le-Bon, in the co. of Middx, esq^{r}, of his new invented processes by which the alkalis contained in sea salt, salt water, rock salt, salt springs, salt cake, glauber salt, and vitriolated tartar are separated from the marine and vitriolic acids, which have never been practised in this kingdom; and if the same are applied to the purposes of which they are capable, great benefit will arise to this country, large sums of money which at present are paid to foreign nations for barilla, pot & pearl ash and other alkaline salts; to hold to him, his exors, adm^{s}, & ass^{s}, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within 4 calendar months from the date hereof. W. H. M. at W^{r}, the 1st day of August, in the year above. By writ, &c.

SHARP.
21st August 1781.

1304. A grant unto JAMES SHARP, of Leadenhall Street, in the city of London, ironmonger, of his new invented stove or grate, answering every purpose of the American, German, or register stoves, but in its effect superior to any of them for the warming of rooms, churches, or halls, with power of increasing or diminishing the heat thereof, and without consuming so much fewell as other stoves heretofore discovered; to hold to him, his exors, admors, and ass^{s}, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within 4 calendar months from the date hereof. W. H. M. at Westm^{r}, the 21st day of Aug^{t}, in the 21st year of his reign. By writ, &c.

PROUD.
22nd August 1781.

1305. A grant unto THOMAS PROUD, of Bagly, near Thirsk, in the co. of York, yeoman, of his new invented drill to be used by fixing it to the side of a common plough beam, upon an entire new construction, calculated to sow turnip seed, rape seed, and all kinds of corn, grain, and other seeds whatsoever, by distributing the same, in any quantity, at any distance required, and covering it any depth that may be thought necessary; to hold to him, his

exors, admors, & ass^{s}, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within 4 calendar months from the date hereof. W. H. M. at W., the 22nd day of Aug^{t}, in the year above. By writ, &c.

WATT. 25th Oct. 1781.

1306. A grant unto JAMES WATT, of Birmingham, in the county of Warwick, engineer, of his new invented methods of applying the vibrating or reciprocating motion of steam or fire engines to procure a continued rotative or circular motion round an axis or centre, and thereby to give motion to the wheels of mills or other machines; to hold to him, his exors, admors, or assigns, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within 4 calendar months from the date hereof. W. H. M. at Westm^{r}, the 25th day of Oct^{r}, in the 22nd year of Our reign. By writ, &c.

WRIGHT. 8th Nov. 1781.

1307. A grant unto THOMAS WRIGHT, of the Poultry, London, watchmaker, of his new method of making coffins in cast iron and other metals, and preserving the same; to hold to him, his exors, admors, & ass^{s}, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within 4 calendar months from the date hereof. W. H. M. at Westm^{r}, the 8th day of Nov^{r}, in the year above. By writ, &c.

SMITH. 24th Dec. 1781.

1308. A grant unto CHARLES SMITH, of Manchester, in the county of Lancaster, of his new invented machine for dressing or bolting flour and meal upon an entire new principle; to hold to him, his exors, admors, & assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westm^{r}, the 24th day of December, in the year above. By writ, &c.

PLAYFAIR. 29th Dec. 1781.

1309. A grant unto WILLIAM PLAYFAIR, of the parish of Handsworth, in the county of Stafford, engineer, of his new invented method of making tongs, spoons, knives, forks, and medals out of solid silver or other metal, which will tend greatly to reduce the price of those articles; to hold to him, his exors, admors, and assigns, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westm^{r}, the 29th day of Dec^{r}, in the year above. By writ, &c.

CONWAY. 1st January 1782.

1310. A grant unto HENRY SEYMOUR CONWAY, of the parish of S^{t} James, Westminster, in the county of Middlesex, esq^{r}, of his new invented kilne & oven for the purpose of saving great part of the expence employed in burning lime, as also in the several branches of the distilling and brewing business, & for other beneficial purposes where the use of fire is concerned; to hold to him, his exors, admors, & ass^{s}, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 yrs pursuant to the statute; with a clause to inroll the same within 4 calendar months from the date hereof. W. H. M. at Westm^{r}, the 1st day of Janry, 1782. By writ, &c.

TYRER. 1st January 1782.

1311. A grant unto THOMAS TYRER, of Red Lion Street, Clerkenwell, in the co. of Midx, watchmaker, of his new invented horizontal scapement for a watch to act with two wheels, being a new and very great improvement on horizontal watches; to hold the same within England, Wales, & town of Berwick, and also within all His Majestys colonies and plant^{ns} abroad, for

the term of 14 years pursuant to the statute ; with a clause to inroll the same within 4 calendar months from the date hereof. W. H. M. at Westmr, the 1st day of Jañry, in the year above. By writ, &c.

Golding. 1st January 1782.

1312. A grant unto Robert Golding, of the parish of Saint Olave, Southwark, in the co. of Surry, hat dyer, of his new invented method of dying, staining, and colouring beaver and beaver hats, commonly called felt or beaver or stuff hats, green or any other colour, underneath or on one side only, preserving the natural colour on the other side ; to hold to him, his exs, admrs, & assrs, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute ; with a clause to inroll the same within 4 calendar months from the date hereof. W. H. M. at Westmr, the 1st day of Jañry, in the year above. By writ, &c.

Richmond. 2nd Jan. 1782.

1313. A grant unto John Richmond, of Titchfield Street, in the parish of Saint Mary-le-Bon, in the co. of Midx, gent., of his new invented discovery in the application of a principle in hydraulics suitable to a hydraulic machine, which he hath invented for raising water from all depths out of mines, pitts, or wells, and other purposes ; to hold to him, his exors, admors, & assigns, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute ; with a clause to inroll the same within 4 calendar months from the date hereof. W. H. M. at Westmr, the 2nd day of Jañry, in the year above. By writ, &c.

Peover. 9th January 1782.

1314. A grant unto Joseph Peover, of North Row, in the parish of Saint George, Hanover Square, in the county of Middx, sadler, of his new invented method of making a man's saddle upon such a construction so as therewith compleatly to fit horses, mares, geldings, and mules of all sizes equally alike ; and also a woman's saddle upon such a construction as therewith compleatly to fit horses, mares, geldings, and mules equally alike ; to hold to him, his exors, admors, & assrs, within England, Wales, and town of Berwick-upon-Tweed, also within His Majesty's colonies and plantns abroad, for the term of 14 years pursuant to the statute ; with a clause to inroll the same within 4 calendar months from the date hereof. W. H. M. at Westmr, the ninth day of Jañry, in the year above. By writ, &c.

Morley. 14th Jan. 1782.

1315. A grant unto Hilldebrand Morley, of Clements Inn, in the parish of Saint Clements, in the county of Midx, gent., of his new invented machine for the unwatering, or raising, and discharging water out of the holds of ships, mines, and other places in great quantities, either spontaneously or by the assistance of a small force, and for the working of mills upon the same principles, or for any other purposes requiring the like powers ; to hold to him, his exors, admors, & assrs, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute ; with a clause to inroll the same within 4 calendar months from the date hereof. W. H. M. at Westmr, the 14th day of Jañry, in the year above. By writ, &c.

Martin. 14th Jan. 1782.

1316. A grant unto Joshua Lover Martin, of Fleet Street, in the liberties of the city of London, of his new invented art of drawing tubes, plated or otherwise covered with silver or gold, on copper or other metal, for the purpose & construction of telescopes, perspectives, opera glasses, and various optical, mathematical, and philosophical instruments to which they are adapted ; to hold to him, his exors, admors, & assrs, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute ; with a clause to inroll the same within 4 calendar months from the date hereof. W. H. M. at Westmr, the 14th day of Jañry, in the year above. By writ, &c.

HUTCHINSON. 18th Jan. 1782.

1317. A grant unto SAMUEL HUTCHINSON, of the parish of Saint Mary-le-Bon, in the co. of Middx, esqr, of his new invented solid warded lock and key, which may be applied to every kind of lock, and cannot be picked; to hold to him, his exors, admors, and asss, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westmr, the 18th day of January, in the year above.

By writ, &c.

NAIRNE. 5th Feb. 1782.

1318. A grant unto EDWARD NAIRNE, of the parish of Saint Michaels, Cornhill, in the city of London, optician, of his new invented most useful improvement in the common electrical machine, (which he calls the insulated medical electrical machine,) by insulating the whole in a particular manner, and constructing the conductors so that either shocks or sparks may be received from them; to hold to him, his exors, admors, & asss, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within 4 calendar months from the date hereof. W. H. M. at Westmr, the 5th day of Feby, in the year above.

By writ, &c.

PARTRIDGE. 4th March 1782.

1319. A grant unto JOHN PARTRIDGE the younger, of Monmouth, in the co. of Monmouth, ironmaster, of his new invented furnace of a new construction, which may be either round, square, or of any other shape on the inside, for the smelting and refining of tin from the ore; to hold to him, his exors, admors, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within four calendar months from the date hereof. Witness His Mãty at Westmr, the 4th day of March, in the year above.

By writ, &c.

NEWCOME. 9th March 1782.

1320. A grant unto AUGUSTINE NEWCOME, of Grantham, in the county of Lincoln, ironmonger, of his new invented method of making wheels for coaches, chaises, and other carriages, the names & spokes consisting wholly of iron, or in part of iron, brass, or other metals; to hold to him, his exors, admrs, & asss, within England, Wales, & town of Berwick, &c. Dated ninth March, in the year above.

By writ, &c.

WATT. 12th March 1782.

1321. A grant unto JAMES WATT, of Birmingham, in the co. of Warwick, engineer, of his new invented improvements on steam or fire engines for raising water and other mechanical purposes, and certain new pieces of mechanism applicable to the same; to hold to him, his exors, admors, & asss, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 yrs pursuant to the statute; with a clause to inroll the same within 4 calendar months from the date hereof. Witness H. M. at W., 12th of March, '82.

HERIOT. 20th March 1782.

1322. A grant unto JAMES HERIOT, of Ave Maria Lane, Ludgate Street, in the city of London, of his new invented mariners compass, with compass boxes or bittacles, pendant or standing, with ventilator, to contain either lamp or candle, as occasion may require, calculated to obviate every difficulty which those of late use have been subject to, for the purpose of navigating all kinds of ships or vessels; to hold to him, his exors, admors, & asss, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inrol the same within four calendar months from the date hereof. W. H. M. at Westmr, the 20th day of Mar, in the year above.

By writ, &c.

BEAUCHAMP. 15th April 1782.

1323. A grant unto GEORGE BEAUCHAMP, of S^{t} Pauls Church Yard, in the city of London, cabinet maker, of his machine for the greater safety and more expeditious manner of escaping from fire; to hold to him, his ex̃ors, adm̃ors, & ass^{s}, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within 4 calendar months from the date hereof. Witness His Majesty at Westm^{r}, the 15th day of April, in the year above.

By writ, &.

MORLEY. 15th April 1782.

1324. A grant unto HILLDEBRAND MORLEY, of Clements Inn, in the parish of Saint Clement Danes, in the co. of Midx, gent., of his new invented wheel engine or machine whereby to give or communicate to mills, clocks, time-pieces, or other instruments or engines requiring the same properties, a constant and perpetual force & motion; to hold to him, his ex̃ors, adm̃ors, & ass^{s}, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westm^{r}, the 15th day of April, in the year above. By writ, &^{c}.

MORLEY. 15th April 1782.

1325. A grant unto the above-named HILLDEBRAND MORLEY of his new invented automaton clock or time-piece; to hold to him, his ex̃ors, adm̃ors, & ass^{s}, within Eng^{ld}, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within 4 calendar months from the date hereof. Witness His M. at W., the 15th day of April, in the year above. By writ, &^{c}.

CHAPMAN. 18th April 1782.

1326. A grant unto CHARLES CHAPMAN, of Leddenhall Street, in the city of London, cordwainer, of his new invented method of keeping up boots, by means of a silver, brass, or steel spring, on an entire new construction, fixt in the boot, above the calf of the leg, whereby the wearer is released from the tedious and painful assistance of buckle, spring, strap, or garter, and the boots kept up smooth; to hold to him, his ex̃ors, adm̃ors, & ass^{s}, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 yr̃s pursuant to the statute; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westm^{r}, the 18th day of April, in the year above. By writ, &^{c}.

UNDERWOOD. 20th April 1782.

1327. A grant unto FRANCIS UNDERWOOD, of the parish of S^{t} Mary-le-Bon, otherwise Mary-le-Bone, in the co. of Middx, plumber, glazier, and painter, of his new invented method of making and ornamenting all sorts of railing, ballustrades, and pannels for staircases, balconies, galleries, altars, or any other parts of churches, houses, and buildings, and of making and ornamenting chimney pieces; to hold to him, his ex̃ors, adm̃ors, & assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within 4 calendar months from the date hereof. W. H M. at Westm^{r}, the 20th day of April, in the year above.

By writ, &^{c}.

ARNOLD. 2nd May 1782.

1328. A grant unto JOHN ARNOLD, of the Adelphi Build^{s}, in the co. of Midx, watchmaker, of his new invented escapement, and also a ballance to compensate the effects arising from heat and cold in pocket chronometers or watches, and for incurvating the two ends of the helical spring to render the expansion & contraction of the spring perfectly concentric with the centre of the ballance or verge; to hold to him, his ex̃ors, adm̃ors, & ass^{s}, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within 4 calendar months from the date hereof. W. H. M. at Westm^{r}, the 2^{d} day of May, in the year above. By writ, &^{c}.

SAUNDERS. 2nd May 1782.

1329. A grant unto EDMUND SAUNDERS, of Plymouth, in the co. of Devon, merch^t, of his new invented mixture or composition, called naval black varnish, to be used in paying the yards, topmasts, bowsprits, bends, blocks, anchors, &c, of ships, instead of tar and lamp black, which have been generally used for those purposes; to hold to him, his exors, admors, & ass^s, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within 4 calendar months from the date hereof. W. H. M. at Westm^r, the 2^nd day of May, in the year above. By writ, &c.

GAITTAIT. 19th June 1782.

1330. A grant unto JOHN GAITTAIT, of Grosvenor Place, in the parish of Saint George, Hanover Square, in the county of Middlesex, cook, of his invention of an entire new machine or stink-trap, which can be made of copper, iron, and all other sorts of metals, and likewise of earth, &c^a, and which will entirely prevent the very disagreeable smells from drains and sewers; to hold to him, his executors, administrators, and assigns, with England, Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within four calendar months from the date hereof. Witness His Majesty at Westminster, the nineteenth day of June, in the twenty-second year of His reign. By writ, &c.

SIDGIER. 4th July 1782.

1331. A grant unto HENRY SIDGIER, of Chancery Lane, in the city of London, upholder, of his new invented machine for washing all kinds of wearing apparel, lace, linen, and every other thing which requires washing; to hold to him, his executors, administrators, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within four calendar months from the date hereof. Witness His Majesty at Westminster, the fourth day of July, in the twenty-second year of His reign. By writ, &c.

BESNARD. 20th July 1782.

1332. A grant unto PHILIP BESNARD, of Brewer Street, in the parish of Saint James, Westminster, in the co. of Middlesex, chymist, of his new invented machine, called an alembical lamp, or lantern; to hold to him, his exors, admors, & ass^s, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inrol the same, &c. Witness His Majesty at Westm^r, the 20^th day of July, in the year above. By writ, &c.

GREENWOOD. 30th July 1782.

1333. A grant unto JOSEPH GREENWOOD, of Great Coggeshall, in the co. of Essex, gent., of his new invented composition, made up in balls, for cleaning leather breeches and gloves, and other accoutrements; to hold to him, his exors, admors, & ass^s, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within 4 calendar months from the date hereof. Witness His Maj^y at Westm^r, the 30^th day of July, in the year above. By writ, &c.

GALE. 31st July 1782.

1334. A grant unto THOMAS GALE, of New Bridge Street, London, chymist, of his new invented medicine called spa elixir, or Gale's elixir, or Gale's spa elixir, which will be of the utmost consequence to the health, strength, & vigour of His Majesty's subjects; to hold to him, his exors, admors, & ass^s, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within 4 calendar months from the date hereof. W. H. M. at Westm^r, the 31^st day of July, in the year above. By writ, &c.

ASTLEY.
1st August 1782.

1335. A grant unto PHILIP ASTLEY, of Bridge Road, in the county of Surry, riding master, of his new invented method of rendering horses tractable and docile, preventing in a great measure that kind of fear which most of them are subject to on the road, and whereby certain agile, manly, and warlike exercises might be performed upon them without danger, and effectually teaches them to stand the explosion of large ordnance, beating of drums, all kinds of musick, and every other violent noise, without emotion, and likewise the recoil of small ordnance fired from the saddle by a single dragoon every way equipt as light dragoons are (carbine only excepted); to hold to him, his exors, admors, & ass^{s}, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within 4 calendar months from the date hereof. W. H. Majesty at W, the 1st day of August, in the year above.
By writ, &^{c}.

CREASE.
1st August 1782.

1336. A grant unto JAMES CREASE, of Wellington, in the county of Somerset, painter, of his new invented pot or pan, to be applied to a night-stool or necessary, or other purposes, which will prevent any offensive smell; to hold to him, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within 4 calendar months from the date hereof. Dated as above.
By writ, &^{c}.

JOAD.
19th Sept. 1782.

1337. A grant unto JOHN JOAD, of the Will, of Ramsgate, in the Isle of Thanet, in the county of Kent, upholder and glass grinder, of his new invented mill or machine, for the purpose of grinding and polishing all sorts of glass, & at the same time sifting and serving the sand used for that purpose; to hold to him, his exors, admors, & assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within 4 calendar months from the date hereof. Witness His Majesty at Westm^{r}, the 19th day of Sept^{r}, in the year above. By writ, &^{c}.

JORDAN.
SWINTON.
2nd October 1782.

1338. A grant unto WILLIAM JORDAN, of Manchester, in the county of Lancaster, callico printer, and WILLIAM SWINTON, of Liverpool, in the said county, merchant's clerk, of their new invented method of making and constructing the wheels of carts, waggons, coaches, and chaises, that will be more durable and beneficial to the publick, & free from the defects and expences of repairs that attend the wheels now in use; to hold to them, their exors, admors, & ass^{s}, within England, Wales, and town of Berwick-upon-Tweed, and also within all His Majesty's colonies & plantations abroad, for the term of 14 years pursuant to the statute; with a clause to inroll the same within 4 calendar months from the date hereof. W. H. M. at Westm^{r}, the 2^{d} day of Octo^{r}, in the year above. By writ, &^{c}.

LANDER.
25th Oct. 1782.

1339. A grant unto CHARLES LANDER, of Saint Mary, Islington, in the county of Middlesex, gentleman, of his new invented universal wheel or engine, calculated for the better working all kinds of machinery which require power & velocity than any other heretofore discovered; to hold to him, his exors, admors, & assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at West^{r}, the 25th day of October, in the year above.
By writ, &^{c}.

CARCO.
1st Nov. 1782.

1340. A grant unto DENIS CARCO, of Coventry Street, in the parish of Saint Martins-in-the-Fields, in the county of Middlesex, hatter, of his new acquired and imported composition for covering leather and all other sort of

hats; to hold to him, his exors, admors, & asss, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westmr, the 1st day of November, in the year above. By writ, &c.

COLLISON. 4th Nov. 1782.

1341. A grant unto JOHN COLLISON, of Battersea, in the county of Surry, chymist, of his new invented art or method of producing or making mineral alkali & vegetable alkali, which will be of general benefit and advantage; to hold to him, his exors, admors, and assns, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westr, the 4th day of November, in the year above. By writ, &c.

MORLEY. 5th Nov. 1782.

1342. A grant unto HILDEBRAND MORLEY, of Clement's Inn, in the parish of St Clement Danes, in the county of Middx, gentleman, of his new invented or improved curious single and compound time-pieces, which, for elegance, length of time, simplicity, & cheapness, far exceeds anything of the kind heretofore made; to hold to him, his exors, admors, & assigns, within England, Wales, and town of Berwick-upon-Tweed, for the term of 14 years pursuant to the statute; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westmr, the 5th day of November, in the year above. By writ, &c.

HARPUR. 16th Nov. 1782.

1343. A grant unto THOMAS HARPUR, of Leixlip, in the county of Kildare, callico printer, of his new invented machine for watering yarn or cloth, or whitstering grounds, crofts, or callico printing grounds; to hold to him, his exors, admors, and assigns, within England, Wales, and town of Berwick-upon-Tweed, and also within His Majesty's colonies & plantations abroad, for the term of fourteen years pursuant to the statute; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westmr, the 16th day of November, in the year above. By writ, &c.

BOOTHMAN. 16th Nov. 1782.

1344. A grant unto WILLIAM BOOTHMAN, of Mosney, in the county of Lancaster, dyer, of his new and peculiar art or method of making iron liquor, or the preparation commonly called or known by that name; to hold to him, his exors, admors, & asss, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westmr, the 16th day of Novr, in the same year. By writ, &c.

PLAYFAIR. 28th Nov. 1782.

1345. A grant unto JAMES PLAYFAIR, of Howland Street, in the parish of Saint Pancras, in the county of Middlesex, surveyor, of his new invented shaving box upon an entire new construction, the manner of using which will very much facilitate the operation of shaving, and will be of great public utility; to hold to him his exors, admors, and asss, within England, Wales, & town of Berwick-upon-Tweed, and also within His Majesty's colonies & plantations abroad, for the term of 14 years pursuant to the statute; with a clause to inroll the same within 4 calendar months from the date hereof. W. H. M. at Westmr, the 28th day of Novr, in the year above.

PROUDFOOT. 2nd Dec. 1782.

1346. A grant unto FRANCIS PROUDFOOT, of Broad Court, Long Acre, in the parish of Saint Martins-in-the-Fields, in the county of Middlesex, shoemaker, of his new constructed buckles with new invented fastenings, which will be of great public utility; to hold to him, his exors, admors, & assigns,

within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westm^{r}, the 2^{d} day of December, in the year above. By writ, &^{c}.

WATTS. 10th Dec. 1782.

1347. A grant unto WILLIAM WATTS, of the city of Bristol, plumber & shot maker, of his new invented method of making small shot, solid throughout, perfectly globular in form, and without the dimples, scratches, and imperfections which other shot hitherto manufactured usually have on their surface, and which, therefore, are superior to any other shot as yet invented in the excelling qualities of being solid, round, and smooth; to hold to him, his ex̃ors, adm̃ors, & ass^{s}, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westm^{r}, the 10th day of December, in the year above. By writ, &^{c}.

HAYNE. 19th Dec. 1782.

1348. A grant unto JOHN HAYNE, of the town and county of the town of Nottingham, hosier, of his new invented method of laying a number of threads in order to make several pieces or breadths of work on the same stocking frame at the same time; and also an engine or machine to be fixed to a common stocking frame for the laying and disposing of a number of threads in such manner as to make several pieces or breadths of work on the same stocking frame and at the same time; to hold to him, his ex̃ors, adm̃ors, & ass^{s}, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westm^{r}, the 19th day of Dec^{r}, in the year above. By writ, &^{c}.

COOKE. 13th Jan. 1783.

1349. A grant unto JAMES COOKE, of Heaton Norris, in the parish of Manchester & county of Lancaster, clerk, of his new invented & constructed machine for ploughing or drilling land, & therein planting or sowing all sorts of grain, pulse, and seeds, mixed with or without pulverized manure, and harrowing the same, which will be of public utility, & applicable to other purposes; to hold to him, his ex̃ors, adm̃ors, & ass^{s}, within England, Wales, and town of Berwick for the term of 14 years pursuant to the statute; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westm^{r}, the 13th day of January, in the 23rd year of the reign, &^{c}, and in the year of our Lord 1783. By writ, &^{c}.

STEDMAN. 13th Jan. 1783.

1350. A grant unto JOHN STEDMAN, of the parish of Saint James's, Westminster, hair dresser, of his new invented shoe & buckle, upon an entire new construction, for the use of men or women, & which, in ease, utility, & elegance, surpasses any shoes or buckles now made; to hold to him, his ex̃ors, adm̃ors, & ass^{s}, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years, pursuant to the statute; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westm^{r}, the 13th day of January, in the year above. By writ, &^{c}.

CORT. 17th Jan. 1783.

1351. A grant unto HENRY CORT, of Funtley Iron Mills, in the parish of Titchfield, in the county of Southampton, esq^{r}, of his new peculiar method and process of preparing, welding, and working various sorts of iron and of reducing the same into uses by machinery; a furnace, and other apparatus, adapted and applied to the said process; to hold to him, his executors administrators, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westminster, the 17th day of January, in the year above. By writ, &^{c}.

TYLOR.
20th Jan. 1783.

1352. A grant unto JOHN TYLOR, of his new invention or method, whereby tea and coffee urns and other copper vessells are securely tinned or lined, and are not subject to corrode or become verdigrise, and whereby such tea and coffee urns and other vessels are rendered more elegant, compleat, and usefull; to hold to him, his executors, administrators, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westminster, the 20th day of January, in the year above. By writ, &c.

GODSAL.
22nd Jan. 1783.

1353. A grant unto PHILIP GODSAL, of Long Acre, in the county of Middlesex, coachmaker, of his new invention by which steps with treble, double, or single treads for approaching or getting into coaches, chariots, pheatons, or any other kind of carriages, by the mere act of opening and shutting the doors of any such carriages be let down or taken up into a space contrived for their reception at the bottom of such carriages; to hold to him, his executors, administrators, and assigns, within England, Wales, and town of Berwick-upon-Tweed, for the term of fourteen years, pursuant to the statute, with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westminster, the 22d day of January in the year above. By writ, &c.

WRIGHT.
1st February 1783.

1354. A grant unto THOMAS WRIGHT, of the Poultry, London, watchmaker, of his new invented watch, or time-keeper, upon an entire new principle; to hold to him, his exors, admors, & asss, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westmr, the 1st day of Febry, in the year above. By writ, &c.

JACOB.
1st February 1783.

1355. A grant unto JOSEPH JACOB the younger, of Saint Mary Axe, London, coachmaker, of his new invented method for the better constructing of carriage wheels and wheel carriages; to hold to him, his executors, admors, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within 4 calendar months from the date hereof. W. H. M. at Westmr, the first day of February, in the year above. By writ, &c.

SMITH.
12th Feb. 1783.

1356. A grant unto JOHN SMITH, of Manchester, in the county of Lancaster, of his new and peculiar art and method of printing by wooden or metal blocks or metal plates, or wooden and metal blocks and metal plates, on linens, cottons, callicoes, stuffs, paper, woollen cloths, silks, silk & stuff gauzes, muslins, or any other species or kind of cloth or manufactured goods whatever; to hold to him, his exors, admors, & asss, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within 4 calendar months from the date hereof. W. H. M. at Westmr, the 12th day of Febry, in the year above. By writ, &c.

BROTHERSTON.
20th Feb. 1783.

1357. A grant unto PETER BROTHERSTON, of Pennycuick, in that part of Great Britain called Scotland, cotton manufacturer, of his new invented machine or instrumt for spinning woollen yarn, & for spinning cotton wool into yarn, so as to make it fit for woofts, and answer every purpose better than that which is spun by the hand; to hold to him, his exors, admors, & assigns, within England, Wales, & town of Berwick-upon-Tweed, for the term of 14 years pursuant to the statute; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westmr, the 20th day of Febry, in the year above. By writ, &c.

LINGHAM. 27th Feb. 1783.

1358. A grant unto THOMAS LINGHAM, of the Strand, in the precinct of the Savoy, in the county of Middlesex, breeches maker & glover, of his new method of cutting and making breeches in leather, velvett, silk, worsted, and other materials more convenient and easy to the wearer than any yet made; to hold to him, his exors, admors, & assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westmr, the 27th of Febry, in the year above. By writ, &c.

SMITH. 13th March 1783.

1359. A grant unto ADDISON SMITH, of Richmond, in the county of Surry, gentleman, of his new mode of constructing spectacles, and of grinding & applying the glasses of them, by means of which vision is rendered perfect and distinct, & the eyes are entirely eased & freed from that pain and fatigue that attend the use of other spectacles as they are now made; to hold to him, his exors, admors, & ass^{s}, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westmr, the 13th day of March, in the year above. By writ, &c.

MATTHEWS. 22nd March 1783.

1360. A grant unto GEORGE MATTHEWS, of Broseley, in the county of Salop, ironmaster, of his new invented method of making cast iron malliable, so that it will answer every purpose of wrought iron, for making cannon, tiers to wheels, arms to axletrees, anchors, chains, all kinds of iron mill work, forge hammers, bar and chain shot, and iron rollers; to hold to him, his executors, admors, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within 4 calendar months from the date hereof. W. H. M. at Westminster, the 22d day of March, in the year above. By writ, &c.

LANGMEAD. 25th March 1783.

1361. A grant unto JOSEPH LANGMEAD, of Goswell Street Road, in the parish of St Luke, in the county of Middlesex, smith & iron founder, of his new invented method of making and manufacturing of fire grates, on a new construction and principle which hath not yet been found out; to hold to him, his exors, admors, & assigns, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westmr, the 25th day of March, in the year above. By writ, &c.

BRADLY. 25th March 1783.

1362. A grant unto JOHN BRADLY, of Bankside, in the borough of Southwark, in the county of Surry, founder, of his new invented forge back, the iron, & frame, on a new construction, for conveying wind by the blast of bellows or otherwise; to hold to him, his exors, admors, & assigns, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westmr, the 25th day of March, in the year above. By writ, &c.

DE CHASTEL. 28th April 1783.

1363. A grant unto CHARLES Baron de CHASTEL, citizen of Geneva, now residing in Grafton Street, in the parish of St. George, Hanover Square, in the county of Middlesex, of his new invented machine for seperating gold & silver from earth, scoria, and impurities by means of frituration, mercury, and amalgama; to hold to him, his exors, admors, & assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pur-

suant to the statute ; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westm^r, the 28^th day of April, in the year above. By writ, &c.

WHATMORE. 3rd May 1783.

1364. A grant unto EDWARD WHATMORE, of Marshwood House, in the county of Wilts, esq^r, of his new invented machine to take and convey persons and goods from houses, and from the windows thereof, and other buildings, when on fire, and convey them to the ground with safety, and also to raise and convey firemen and other persons, goods, and materials from the ground to windows and the tops of the parapets of houses and other buildings, or to any part or parts of the fronts thereof, & to gather fruit from trees, & hoist or raise persons to cut & prune the same, without the help of ladders or scaffolds ; to hold to him, his exors, admors, & assigns, within England, Wales, & town of Berwick-upon-Tweed, and also within all His Majesty's dominions, colonies, & plantations abroad, for the term of 14 years pursuant to the statute ; with a clause to inroll the same within 4 calendar months from the date hereof. W. H. M. at Westm^r, the 3^d day of May, in the year above. By writ, &c.

BARBER. 3rd May 1783.

1365. A grant unto THOMAS BARBER, of the borough of Derby, yarn manufacturer, of his new invented engine or machine for the reducing & spinning of wool, flax, cotton wool, mohair, and other animal and other vegetable productions into thread (fit and proper for many of the manufactories of this kingdom), in a more expeditious and cheap manner than hath heretofore been known & used ; to hold to him, his exors, admors, & assigns, within England, Wales, & town of Berwick for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westm^r, the 3^d day of May, in the year above. By writ, &c.

DRIVER. 3rd May 1783.

1366. A grant unto WILLIAM DRIVER, of Kent Road, in the parish of Saint George the Martyr, in the county of Surry, nurseryman, ground workman, & land surveyor, of his new & peculiar method whereby to break up, raise, load, remove, carry, cast, shoot, and otherwise work the mould, gravel, stones, chalk, and other materials and substances of the earth without the necessity of manual labour, effected by means of an engine and wheel carriage, constructed with suitable machinery & apparatus ; to hold to him, his exors, admors, & ass^s, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute ; with a clause to inroll the same within 4 calendar months from the date hereof. W. H. M. at Westm^r, the 3^d day of May, in the year above. By writ, &c.

BAYLES. 7th May 1783.

1367. A grant unto NATHANIEL BAYLES, of Newcastle-upon-Tyne, gentleman, of his new invented triangular instrument or harpoon, for the more certain striking and taking whales and other large fish than any instrument heretofore used for that purpose ; to hold to him, his exors, admors, & ass^s, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute ; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westm^r, the 7^th day of May, in the year above. By writ, &c.

OLDHAM. PRESTWIDGE. 7th May 1783.

1368. A grant unto THOMAS OLDHAM and GEORGE PRESTWIDGE, both of Holfield Gate, in the parish of Sherland, in the county of Derby, gentlemen, of their new invented engine or machine, which will be of great use in spinning of hards or refuse flax, as also in spinning of flax, hemp, and wool ; to hold to them, their exors, admors, & assigns, within England, Wales, & town of Berwick-upon-Tweed, and also within all His Majesty's dominions, colonies,

& plantations abroad, for the term of 14 years pursuant to the statute ; with a cause to inroll the same within four calendar months from the date hereof. W. H. M. at Westmr, the 7th day of May, in the year above. By writ, &c.

GERARD. 7th May 1783.

1369. A grant unto JAMES GERARD, of Liverpool, in the county of Lancaster, surgeon, of his new and improved method of obtaining the mineral and vegetable alkalies contained in rock salt, brine salt, salt made from sea water, salt refined from rock salt, glauber salt, and vitriolated tartar, by separating them from the marine and vitriolic acids ; to hold to him, his exors, admors, & assigns, within England, Wales, and town of Berwick for the term of 14 years pursuant to the statute ; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westmr, the 7th day of May, in the year above. By writ, &c.

ONIONS. 7th May 1783.

1370. A grant unto PETER ONIONS, of Myrther, in the county of Glamorgan, ironfounder, of his new invented method of working and refining cast or pig iron, and converting the same from a fluid state into wrought or bar iron ; to hold to him, his exors, admors, & assigns, within England, Wales, and town of Berwick-upon-Tweed for the term 14 years, pursuant to the statute ; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westmr, the 7th day of May, in the year above. By writ, &c.

HEYS. 7th May 1783.

1371. A grant unto JOHN HEYS, of Freckleton, in the county of Lancaster, soap maker, of his new method of making ashes & lees from straw, turf, lime, dung, piss, dirt of the street, soapers waste, lees, potatoe hulm, tanners waste, bleachers' waste, and all sorts of weeds, for the use of soap makers, bleachers', and all others making use of ashes and lees ; to hold to him, his exors, admors, & asss, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute ; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westmr, the 7th day of May, in the year above. By writ, &c.

RIZ. 17th May 1783.

1372. A grant unto DAVID RIZ, of Golden Lane, in the parish of St Giles, Cripplegate, in the city of London, gentleman, of his new invented machine or apparatus on a new construction & principle, applicable to waterclosets, night tables or chairs, which renders the same more useful, convenient, and wholesome than any waterclosets, night tables or chairs hitherto invented ; to hold to him, his exors, admors, & asss, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute ; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westmr, the 17th day of May, in the year above. By writ, &c.

PLAYFAIR. 24th May 1783.

1373. A grant unto WILLIAM PLAYFAIR, of Howland Street, in the parish of St Pancras, in the county of Middlesex, engineer, of his new invented method of making bars for sash windows, of copper, iron, or any mixed metal containing copper, also metal ornaments & mouldings for grates & fenders, & ornamented metal borders for tea waiters, trays, and bottle stands, likewise horse shoes and curtain rods of iron ; to hold to him, his exors, admors, & assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute ; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westmr, the 24th day of May, in the year above. By writ, &c.

CARTLEDGE. 31st May 1783.

1374. A grant unto JOSEPH CARTLEDGE, of Blackley, in the county of York, doctor in physick, of his new invented method of glazing earthenware ; to hold to him, his exors, admors, & assigns, within England, Wales, and town

of Berwick-upon-Tweed, for the term of 14 years pursuant to the statute; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westm^r, the 31^st day of May, in the year above. By writ, &^c.

HAYWARD. 2nd June 1783.

1375. A grant unto ROBERT HAYWARD, of Kelvedon Hall, in the county of Essex, of his new invented stirrup for saddles, on a new principle entirely, to prevent accidents of entangling the foot therein; to hold to him, his ex̃ors, admors, & assigns, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westm^r, the 2^d day of June, in the year above. By writ, &^c.

SAMUEL. 6th June 1783.

1376. A grant unto MOSES SAMUEL, of King Street, Tower Hill, of his new invented constructed alarm gun, or safeguard, for the better securing houses and other buildings and places from being broke open and robbed; to hold to him, his executors, administrators, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westminster, the sixth day of June, in the year above. By writ, &^c.

FISCHER. 17th June 1783.

1377. A grant unto JOHN FISCHER, of Saint Martins Lane, in the county of Middlesex, mechanist, of his new invented geometrical & pedometrical watch, which not only answers the purpose of a common watch, but is also distinguished therefrom by shewing or telling on the dial plate every step the walker makes, also by measuring the surface of any ground or the distance from place to place, the length & width of every bridge, field, forrest, & wood by steps, and exhibiting in the most exact manner the effect of a regular pedometer; to hold to him, his ex̃ors, adm̃ors, & assigns, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westm^r, the 17^th day of June, in the year above. By writ, &^c.

BELL. 17th July 1783.

1378. A grant unto THOMAS BELL, of Mosney, in the county of Lancaster, callico printer, of his new invented method of printing with one colour, or with various colours at the same time, on linens, lawns, & cambrick, cottons, callicoes, & muslins, woollen cloth, silks, silk & stuffs, gauzes, and any other species or kind of linen, cloth, or manufactured goods whatever; to hold to him, his ex̃ors, adm̃ors, & ass^s, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westm^r, the 17^th day of July, in the year above. By writ, &^c.

BROADWOOD. 18th July 1783.

1379. A grant unto JOHN BROADWOOD, of Great Pulteney Street, Golden Square, in the county of Middlesex, piano forte maker, of his new constructed piano forte, which is far superior to any instrument of the kind heretofore made; to hold to him, his ex̃ors, adm̃ors, & ass^s, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westm^r, the 18^th day of July, in the year above. By writ, &^c.

CROWLEY. MERRY. 26th July 1783.

1380. A grant unto THOMAS CROWLEY, of Camomile Street, London, currier, and THOMAS MERRY, of Camomile Street aforesaid, yeoman, of their new constructed engine to cut, split, and divide asunder the flesh side from the grain side of hides, skins, and leather, and to sever those substances, in length or

breadth, into as many divisions as are serviceable and as need may require; to hold to them, their exors, admors, & assigns, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westmr, the 26th day of July, in the year above. By writ, &c.

FORBES. 29th July 1783.

1381. A grant unto WILLIAM FORBES, of the parish of Saint Botolph, Bishopsgate, in the city of London, coppersmith, of his new invented method of manufacturing bolts & other fastenings for ships, in a manner & of materials never hitherto made use of for those purposes, and which will be extremely beneficial to our navy & all other vessels, particularly those which are sheathed with copper, & remedy the inconveniences which ships bolts now in use are subject to; to hold to him, his exors, admors, & asss, within England, Wales, & town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westmr, the 29th day of July, in the year above. By writ, &c.

CHOUMERT. 7th August 1783.

1382. A grant unto GEORGE CHOUMERT, of Fifefoot lane, Bermondsey Street, in the parish of Saint Mary Magdalen, in the county of Surry, tanner, of his new invented machine for the cutting, splitting, and dividing hides and skins, as well in the pelt before dressed as when dressed into leather, severing the grain side from the flesh side, at a much less expense than any other machine hitherto invented for that purpose; to hold to him, his exors, admors, & asss, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within four calendar months from the day hereof. W. H. M. at Westmr, the 7th day of August, in the year above. By writ, &c.

MASERES. 9th August 1783.

1383. A grant unto JOHN MASERES, of Rathbone Place, in the county of Middlesex, esqr, of his new inventon apparatus, whereby any person, male or female, may escape with the greatest ease & safety from a house or other building, & preserve his or her life, in case of accidents by fire; to hold to him, his exors, admors, & asss, within England, Wales, & town of Berwick for the term of 14 years pursuant to the statute; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westmr, the 9th day of August, in the year above. By writ, &c.

VAZIE. 16th August 1783.

1384. A grant unto ROBERT VAZIE, of Hexham, in the county of Northumberland, gentleman, of his new invented method of using steam, in aid of fire, in obtaining of salts of all kinds, and wch may likewise be used with great advantage in various other branches of chemistry; to hold to him, his exors, admors, & asss, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westmr, the 16th day of August, in the year above. By writ, &c.

HAAS. 22nd August 1783.

1385. A grant unto JACOB BERNARD HAAS, of Great Marlborough Street, in the parish of St James's, Westminster, mathematical & philosophical instrument maker, of his new invented machine, or air pump, upon an entire new construction, which rarifies the air two thirds more than any machine hitherto invented for that purpose; to hold to him, his exors, admors, & asss, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westmr, the 22d of August, in the year above. By writ, &c.

DE CANOLLE. 12th Sept. 1783.

1386. A grant unto JEAN DE CANOLLE, late of Paris, in the kingdom of France, but now of Piccadilly, mineralist, of his new invented factitious coal, to supply the use of charcoal, more efficient in its qualities and perfectly innocent in its effects; to hold to him, his exors, admors, & assigns, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westmr, the 12th day of Septr, in the year above. By writ, &c.

WATSON. 12th Sept. 1783.

1387. A grant unto THOMAS WATSON, of the city of Norwich, farrier, of his new invented purging paste for horses & dogs, being a primary medicine for all diseases incident to each, & calculated for all ages & sizes of both the animals; to hold to him, his exors, admors, & asss, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westmr, the 12th day of Septr, in the year above. By writ, &c.

COLLINS. 2nd Oct. 1783.

1388. A grant unto WILLIAM COLLINS, of Birmingham, in the county of Warwick, manufacturer, of his new invented method of making and preparing the bolts that are used for fastening the timbers of ships together, which bolts will not be subject to the decay that has proved so fatal to those now in use; to hold to him, his exors, admors, & assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westmr, the 2d day of October, in the year above. By writ, &c.

WINGFIELD. 2nd October 1783.

1389. A grant unto SAMUEL WINGFIELD, of his new invented machine for cooking, wherewith a person may bake, boil, broil, stew, &c, at one & the same time with one single fire; to hold to him, his executors, admors, & assigns, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westmr, the 2d day of October, in the year above. By writ, &c.

GREEN. 2nd October 1783.

1390. A grant unto JOSHUA GREEN, of Middleton, near Leeds, in the county of York, farmer, of his new invented method, by a particular kind of machinery, of drying and tentering all sorts of woven manufactured goods, such as broadcloths, narrow cloths, worsted goods of all denominations, likewise Norwich and Manchester goods, as crapes, cottons, velvets, silken stuffs, and all other woven goods, whether made of wool, cotton, silk, flax, or hemp; to hold to him, his exors, admors, & assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westmr, the 2d day of October, in the year above. By writ, &c.

PARTRIDGE. 3rd October 1783.

1391. A grant unto BENJAMIN PARTRIDGE, of Halesowen, in the county of Salop, manufacturer of wick yarn, of his new invented method of spinning and carding short tow, what is commonly called hurds, by means of a spinning and carding engine; to hold to him, his exors, admors, & assignes, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westmr, the 3rd day of October, in the year above. By writ, &c.

RANSOME. 25th Oct. 1783.

1392. A grant unto ROBERT RANSOME, of the city of Norwich, ironfounder, of his new invented method of making and casting of iron & other metal plates, for the better and more secure covering of houses and other buildings, and which, from their durability, neatness, cheapness, and other properties, are far superior to tyles, slate, or lead, or any other substitute heretofore discovered; to hold to him, his exors, admors, & assigns, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westmr, the 25th day of October, in the 24th year of the reign of King George the 3d, and in the year of our Lord, 1783. By writ, &c.

HATCHETT. 25th Oct. 1783.

1393. A grant unto JOHN HATCHETT, of his new invention for coaches and all other carriages, and bodies of them; to hold to him, his exors, admors, & assigns, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westmr, the 25th day of October, in the year above. By writ, &.

CLAUSS. 5th Nov. 1783.

1394. A grant unto CHRISTIAN CLAUSS, of Frith Street, in the parish of St Ann, Soho, in the county of Middlesex, musical instrument maker, of his new invented improvement upon the musical instrument commonly called the guittar; to hold to him, his executors, administrators, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westminster, the 5th day of November, in the year above. By writ, &c.

CLARKE. 14th Nov. 1783.

1395. A grant unto RICHARD CLARKE, of the parish or Free Chapelry of Brampton, near Chesterfield, in the county of Derby, esqr, of his new invented malt and oat kiln of cast metal, upon a construction entirely new, far superior to anythink of the kind at present in use, both for a consble saving of coals & time, & also bottoms for bakers ovens of the same metal; to hold to him, his exors, admors, & asss, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westmr, the 14th day of November, in the year above. By writ, &c.

JESSON. 14th Nov. 1783.

1396. A grant unto RICHARD JESSON, of the parish of West Bromwick, in the county of Stafford, Tiron maste, of his new improvement on the method of making bar iron from piggs, scull, or cinder iron, with raw coal or coakes, without the use of charcoal, by which a great saving will be made in coals, coakes, or other the apparatus & necessaries made use of in converting the said metal into barrs, or other uses; to hold to him, his exors, admors, & assigns, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westmr, the 14th day of November, in the year above. By writ, &c.

HAYNE. 14th Nov. 1783.

1397. A grant unto JOHN HAYNE, of the town and county of the town of Nottingham, hosier, of his new invented machine, to be fixed to a stocking frame, for the purpose of making various patterns or figures in different sorts of framework; to hold to him, his exors, admors, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westmr, the 14th day of November, in the year above. By writ, &c.

WESTWOOD. 15th Nov. 1783.

1398. A grant unto JOHN WESTWOOD, of Birmingham, in the county of Warwick, button maker, of his new invented art and method of hardening and stiffening copper, and reducing the same from large masses to any diameter not exceeding five inches nor less than half an inch, and of any length, either in round, angular, indented, or oval forms, by the use of groved or indented rollers; and also for hardening and stiffening brass, iron, steel, mixed and compound metals, which is or are of a texture that will bear drawing or beating out by forge tilt, or hammer, either in an hot, warm, or cold state, by the same means; to hold to him, his exors, admors, and assigns, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westm^r, the 15^th day of November, in the year above. By writ, &c.

WISEMAN. 15th Nov. 1783.

1399. A grant unto BENJAMIN WISEMAN the younger, of Diss, in the county of Norfolk, merchant, of his new invented sails for windmills, with horizontal lavers, which works or moves with the wind from any quarter, without wanting the help or assistance of any person, as formerly required by the common windmills; to hold to him, his exors, admors, & assigns, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within four calendar months from the date hereof W. H. M. at Westm^r, the 15^th day of Nov^r, in the year above. By writ, &c.

HORSLEY. 15th Nov. 1783.

1400. A grant unto JOHN HORSLEY the elder, of Haberdashers Walk, Hoxton, in the county of Middlesex, founder and brazier, of his new invented method of making plated furniture for fire stoves and grates, with (or without) glass ornaments; to hold to him, his exors, admors, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westm^r, the 15^th day of November, in the year above. By writ, &c.

GRAY. 17th Nov. 1783.

1401. A grant unto WILLIAM GRAY, of Bond Street, jeweller, of his new chape for buckles of a different construction, and which is far more easy and convenient than those now in use; to hold to him, his exors, admors, & ass^s, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westminster, the 17^th day of Nov^r, in the year above. By writ, &c.

BRAMAH. 1st Dec. 1783.

1402. A grant unto JOSEPH BRAMAH, of Denmark Street, in the parish of S^t Giles, Middlesex, cabinet maker, of his new constructed watercock, that acts with a plug or valve, convenient and well adapted for every different purpose whatsoever where cocks are employed, viz^t, such as admitting and intercepting (at pleasure) the communication of water or other fluids through pipes and other conveniences, and also for cisterns, vatts, casks, and vessels of all kinds out of which fluids are drawn by means of cocks, & are likewise peculiarly useful and effectual in opening and shutting the communication between the bason and soil-pipe of watercloseets, and will be found, for all the purposes above mentioned, much more effectual and durable than any other kind of cocks hitherto known; to hold to him, his exors, admors, & assigns, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westm^r, the 1^st day of December, in the year above. By writ, &c.

CORNWELL. 1st Dec. 1783.

1403. A grant unto BRYAN CORNWELL, of the parish of Saint Dunstan, in the city of London, gentleman, of his new invented medicine, called or known by the name of the oriental vegetable cordial, and for making and manufacturing the same from the most delicious herbs, flowers, and roots; to hold to him, his exors, admors, & assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westmr, the 1st day of December, in the year above. By writ, &c.

VANBUTCHELL. 1st Dec. 1783.

1404. A grant unto MARTIN VANBUTCHELL, of the liberty of Westminster, surgeon-dentist, of his new invented spring bands, or fastenings, for the apparel or furniture of man or beast, which bands or fastenings, by their certain reaction or small friction, are more easy, safe, or lasting than other bands or fastenings; to hold to him, his executors, administrators, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westminster, the 1st day of December, in the year above. By writ, &c.

ABERY. 8th Dec. 1783.

1405. A grant unto JOHN ABERY, of Reading, in the county of Berks, coachmaker, of his new invented and constructed coach box, to be fixed to the bodies of coaches, chariots, & other carriages, whereby the carriage is rendered considerably lighter to follow the horses, and the coachman rides equally easy with the passengers, and is no obstruction to the front lights; to hold to him, his exors, admors, & assigns, within England, Wales, and town of Berwick-upon-Tweed, for the term of 14 years pursuant to the statute; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westmr, the 8th day of December, in the year above. By writ, &c.

BOUCHET. 9th Dec. 1783.

1406. A grant unto MICHAEL JOSEPH ISIDOR BOUCHET, merchant, of Brussels, of his new invented lamp and lantern, which consumes less oil than those now in use, and has the particular quality of producing neither smoak or smell; to hold to him, his exors, admors, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westminster, the ninth day of December, in the year above. By writ, &c.

STORER. 12th Dec. 1783.

1407. A grant unto WILLIAM STORER, late of Lisle Street, but now of Great Marlborough Street, in the county of Middlesex, gentleman, of his new and peculiar method of preparing and making of optic glasses, which he calls by the name of syllepsis glasses, and also the application thereof to optical instruments in general, particularly telescopes, microscopes, reading glasses, opera glasses, & spectacles; whereby distinct vision is more readily procured, and the sight greatly relieved; and by which said preparation optic glasses are rendered more perfect, & may be applied with greater certainty; to hold to him, his exors, admors, and assigns, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westmr, the 12th day of December, in the year above. By writ, &c.

PLAYFAIR. 17th Dec. 1783.

1408. A grant unto WILLIAM PLAYFAIR, of Howland Street, in the parish of St Pancras, engineer, of his new mechanical methods of cutting or dividing pieces of metal, and of giving to pieces of metal a cylindrical or

other determinate uniform shape, continued thro' the whole length of the said pieces; and also of giving to pieces of metal shapes regularly tapering, by which bars, bolts, rods, wire, spade bits, and shovel bits may be made better and more expeditiously than by the methods hitherto practised; and also of giving to pieces of metal figured or ornamented surfaces, by which metal ornaments, beadings, and mouldings may be made for doors, rooms, cabinets, picture frames, looking-glass frames, shutters, backs and elbows to windows, architraves, bases, surbaces, chimney pieces, pannels, cornices, door-caps, door-friezes, cornices to window curtains, and beds; and by which may be made bordering for paper, and bordering to go round rooms, in the manner of paper borders now in use, and bannisters and parts of bannisters or ballustrades, and railing for stairs, galleries, or whatever purposes such rails, ballustrades, bannisters or parts of bannisters may be used, in houses or elsewhere, and ornaments for such bannisters and parts of bannisters or ballustrades, and railing for stairs or galleries, and ornaments for columns, pilasters and piers, and for parts of columns, pilasters, and piers, and also ornaments for book-cases, window-beads, and sash-stiles, and ornaments for coaches, chariots, chaises, phaetons, whiskies, and other wheeled carriages, and for chairs, and other household furniture, and for all other purposes where brass nails, carved work, and stucco work have been heretofore commonly used, and lastly, of joining and connecting metal beads, husks, leaves, or other ornaments, consisting of single detached pieces, joined or connected together; to hold to him, his exors, admors, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westminster, the 17th day of December, in the year above. By writ, &c.

JONAS. 17th Dec. 1783.

1409. A grant unto JONAS JONAS, of White Bear Court, Whitechapel, in the county of Middlesex, lead pencil maker, of his new invented sliding lead pencil; to hold to him, his exors, admors, & assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westmr, the 17th day of December, in the year above. By writ, &c.

STEDMAN. 19th Dec. 1783.

1410. A grant unto JOHN STEDMAN, of Princes Street, in the parish of Saint Ann, Soho, in the county of Middlesex, buckle maker, of his new invented fastenings for shoe-buckles, knee-buckles, stock-buckles, and all other kinds of buckles whatsoever, which are so constructed as to render them stronger, cheaper, and of more utility than any other buckles or fastenings yet invented; to hold to him, his exors, admors, & assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within 4 calendar months from the date hereof. W. H. M. at Westmr, the 19th day of December, in the year above. By writ, &c.

SPARKHALL. 19th Dec. 1783.

1411. A grant unto ALEXANDER SPARKHALL, of Crutched Fryars, in the city of London, blacksmith, of his new invented machine, better calculated for the safely escaping from houses in cases of fire or thieves than any other hitherto discovered; to hold to him, his exors, admors, & assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within 4 calendar months from the date hereof. W. H. M. at Westmr, the 19th day of December, in the year above. By writ, &c.

BLACKMORE. 19th Dec. 1783.

1412. A grant unto BENJAMIN BLACKMORE, of Exeter, in the county of Devon, weaver, of his new invented method of making bolting cloths, to be used by millers for dressing of flour; to hold to him, his exors, admors, &

assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute ; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westmr, the 19th day of December, in the year above. By writ, &c.

BECK. 16th Jan. 1784.

1413. A grant unto STEPHEN BECK, of Bell Dock, Wapping, in the county of Middlesex, brazier, of his new invented ships hearth or stove, with copper and iron kettles, for the dressing of victuals on board of ships, whereby such victuals are not only more commodiously dressed, but much less fuel is consumed ; to hold to him, his exors, admors, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute ; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westmr, the 16th day of January, in the year above. By writ, &c.

This patent was stopped by the caveat, and did not pass the great seal till the 12th of August 1784. By order.

CAMERON. 17th Jan. 1784.

1414. A grant unto ROBERT CAMERON, of the parish of St James, Clerkenwell, in the coy of Middx, engineer, of his new constructed steam engine, comonly called a fire engine, for the various purposes to which steam engines or fire engines are or may be applicable ; to hold to him, his exors, admors, & ass^{s}, within England, Wales, & town of Berwick-upon-Tweed, and also within His Majestys colonies and plantations abroad, for the term of 14 years pursuant to the statute ; with a clause to inroll the same within 4 calendar months from the date hereof. W. H. M. at Westmr, the 17th day of Jañry, in the year above. By writ, &c.

MOORE. 28th Jan. 1784.

1415. A grant unto FRANCIS MOORE, of Cheapside, London, linen draper & warehouseman, of his new constructed four-wheel carriage, which is more commodious, easy, and safe than any hitherto known or made use of ; to hold to him, his exors, admors, & assigns, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute ; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westmr, the 28th day of January, in the year above. By writ, &c.

NOBLE. 29th Jan. 1784.

1416. A grant unto MARK NOBLE, of Lambeth, in the county of Surrey, gentleman, of his new improvement upon a pump or engine for raising of water ; to hold to him, his exors, admors, & assigns, within England, Wales, and town of Berwick-upon-Tweed, and also within His Majesty's colonies & plantations abroad, for the term of 14 years pursuant to the statute ; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westmr, the 29th day of January, in the year above. By writ, &c.

WEBB. 4th February 1784.

1417. A grant unto JOHN WEBB, of Vauxhall, in the county of Surry, yeoman, of his new invented method of making a more easy, expeditious, and perfect division in stocking frame work manufactures than heretofore known ; to hold to him, his exors, admors, & assigns, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute ; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westmr, the 4th day of February, in the year above. By writ, &c.

CARTLEDGE. 5th February 1784.

1418. A grant unto JOSEPH CARTLEDGE, of Blackley, in the county of York, doctor of physic, of his new invented method of glazing earthenware ; to hold to him, his exors, admors, & ass^{s}, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute ; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westmr, the 5th day of February, in the year above. By writ, &c.

LANGMEAD. 9th Feb. 1784.

1419. A grant unto JOSEPH LANGMEAD, of Goswell Street Road, in the parish of Saint Luke, in the county of Middlesex, smith and iron founder, of his new invented method of making & manufacturing of chimney fronts with grates on a new construction and principle, for the better warming of rooms and other places; to hold to him, his exors, admors, & assigns, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westmr the 9th day of Febry, in the year above. By writ, &c.

CORT. 14th Feb. 1784.

1420. A grant unto HENRY CORT, of Funtley Iron Mills, in the parish of Titchfield, in the county of Southampton, esqr, of his new invented mode and art of shingling, welding, and manufacturing iron and steel into bars, plates, rods, & otherwise, of purer quality, in larger quantity, by a more effectual application of fire & machinery, and with greater yield, than any method before attained or put in practice; to hold to him, his exors, admors, & asss, within England, Wales, & town of Berwick-upon-Tweed, & also within His Majesty's colonies & plantations abroad, for the term of 14 years pursuant to the statute; with a clause to inroll the same within four calendar months from the day hereof. W. H. M. at Westmr, the 14th day of Febry, in the year above. By writ, &c.

NASH. 10th March 1784.

1421. A grant unto MICHAEL NASH, of Knightsbridge, in the county of Middlesex, gentleman, of his new invented method of making blacking, which effectually resists moisture, prevents all kinds of leather from growing rusty or mouldy, and preserves it from the pernicious effects of salt water, and which is superior to any other blacking as yet invented in those excellent qualities; to hold to him, his exors, admors, and assigns, within England, Wales, and town of Berwick upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westmr, the 10th day of March, in the year above. By writ, &c.

BARRETT. 12th March 1784.

1422. A grant unto JOHN BARRETT, of the Haymarket, in the parish of St Martin-in-the-Fields, wax chandler, of his new invented chandelier girandole lustre, on a new construction, which, for safety, convenience, and brilliancy, exceeds all others heretofore made; to hold to him, his exors, admors, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westminster, the 12th day of March, in the year above. By writ, &c.

MARTIN. 12th March 1784.

1423. A grant unto BENJAMIN MARTIN senior, of Maidstone, in the county of Kent, of his new invented medicine called the antipertussis, which is a most infallible cure for the hooping cough and all disorders of the stomach & lungs, as well as being the best anti-scorbutic yet discovered; to hold to him, his exors, admors, & assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westmr, the 12th day of March, in the year above. By writ, &c.

HORN. 13th March 1784.

1424. A grant unto JOHN HORN, of Dover, in the county of Kent, gentleman, of his new invented machine for the purpose of sowing the seed of every species of vegetable in a manner entirely new, and more expeditious and regular than any heretofore known, and which requires a less quantity of seed to produce a larger crop than is expended by the common mode, whereby a considerable saving will be effected; and it also possesses the peculiar

property of saving in the broad-cast way as well as dropping the seed into furrows, and may be regulated with ease so as to sow any quantity at the discretion of the seedsman; to hold to him, his exors, admors, & assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westmr, the 13th day of March, in the year above. By writ, &c.

ARMAND. 15th March 1784.

1425. A grant unto AMI ARMAND, of Great Marlborough Street, Soho, gentleman, of his new invented lamp that is so constructed as to produce neither smoke nor smell, and to give considerably more light than any lamp hitherto known; to hold to him, his exors, admors, & assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westmr, the 15th day of March, in the year above. By writ, &c.

KEMPELEN. 10th April 1784.

1426. A grant unto WOLFGANG DE KEMPELEN, of the parish of St James, in the county of Middlesex, esqr, of his new invented re-action machine, set in motion by fire, air, water, or any fluid, and applicable to any other machine or engine requiring a moving power in any direction whatever; that the said re-action machine is more simple in its construction than any one yet known, and will produce effects equal to any at a much less expense; to hold to him, his exors, admors, & assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westmr, the 10th day of April, in the year above. By writ, &c.

ELEY. 17th April 1784.

1427. A grant unto WILLIAM ELEY, of Clerkenwell Green, in the county of Middlesex, buckle maker, of his new contructed buckle or buckles, with new invented joint & spring chape fastenings; to hold to him, his executors, admors, & asss, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westmr, the 17 day of April, in the year above. By writ, &c.

BOUSIE. 17th April 1784.

1428. A grant unto WILLIAM BOUSIE, of Suffolk Street, Charing Cross, gentleman, of an invention, (which has been discovered to him by certain foreigners with whom he is connected,) for the refining of sugar, and the making of sugar from the cane juice, and by means of which muscavado or brown sugar may be made to yield a considerably greater proportion of refined sugar, & better in quality, than can be obtained by the methods usually practised, and that this discovery, by increasing the quantity and diminishing the price of that useful commodity, may be rendered very beneficial to His Majesty's subjects; to hold to him, his exors, admors, & assigns, within England, Wales, & town of Berwick-upon-Tweed, and also in His Majesty's colonies & plantations abroad, for the term of 14 years, pursuant to the statute; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westminster, the 17th day of April, in the year above. By writ, &c.

HIGTON. 21st April 1784.

1429. A grant unto PAUL HIGTON, of Shrewsbury, in the coy of Salop, flax dresser, of his new and peculiar art or method of refining, clarifying, or separating the oil, gall, dirt, or other matter from the lees of pot ash, pearl ash, barilla ash, kelp, or any other fossil, vegetable, or caustic alkali, either fixed or volatile, of every kind wtsoever, after they have been used in

bleaching or bucking of flax, hemp, cotten, or other goods, manufactured or unmanufactured, or for any other purpose, so as to render the lees made thereof fit, useful, & proper for bleaching or other purposes by a much cheaper method than any hitherto found out; to hold to him, his exors, admors, & ass^{s}, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within 4 calendar months from the date hereof. Witness H. M. at Westm^{r}, the 21st day of April, in the year above. By writ, &^{c}.

BRAMAH. 23rd April 1784.

1430. A grant unto JOSEPH BRAMAH, of Piccadilly, in the county of Middlesex, cabinet maker, of his new invented lock for doors, cabinets, and other things on which locks are used, which is more simple, effectual, and durable, & totally differs from any other sort of lock, being constructed without wheels or wards; and the same is also much cheaper, and cannot possibly be picked or opened by any of the means practised for picking locks, or by any other key than the key which belongs to the lock; to hold to him, his exors, admors, & assigns, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within four kalendar months from the date hereof. W. H. M. at Westm^{r}, the 23rd day of April, in the year above. By writ, &^{c}.

FOULIS. TILLOCH. 28th April 1784.

1431. A grant unto ANDREW FOULIS, printer to the University of Glasgow, & ALEXANDER TILLOCH, of the city of Glasgow, printer, of their new invented method of printing books by plates instead of the moveable types commonly used, by which a much greater degree of accuracy, correctness, & elegance will be introduced in the publication of the works, both of the ancient & modern authors, than has hitherto been attained; to hold to them, their exors, admors, and assigns, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westm^{r}, the 28th day of April, in the year above. By writ, &^{c}.

WATT. 28th April 1784.

1432. A grant unto JAMES WATT, of Birmingham, in the county of Warwick, engineer, of his certain new improvements upon fire and steam engines, and upon machines worked or moved by the same; to hold to him, his exors, admors, & assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westminster, the 28th day of April, in the year above. By writ, &^{c}.

SLATER. 29th April 1784.

1433. A grant unto JN^{o} SLATER, of Mosney, in the county of Lancaster, callico printer, of his new invented machine for printing one, two, three, or more colours on cottons, callicoes, muslins, linens, silks, stuffs, dimities, jeans, velverets, woollen cloth, or any other species or kind of manufactured goods whatever; to hold to him, his exors, admors, & assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westm^{r}, the 29th day of April, in the year above. By writ, &^{c}.

LYDFORD. 19th May 1784.

1434. A grant unto ROBERT LYDFORD, of New Sarum, in the county of Wilts, cabinet maker, of his new invented box for wheel carriages, to go in the center of the wheel to work on the axletree, which will go 500 miles without any additional quantity of oil & greese to be put or supplied thereto; to hold to him, his exors, admors, & ass^{s}, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westm^{r}, the 19th day of May, in the year above. By writ, &^{c}.

ARNOLD.
19th May 1784.

1435. A grant unto SAMUEL ARNOLD, of Great Pulteney Street, in the parish of S^{t} James's, Westminster, doctor in music, of his new invented mode of printing vocal and instrumental music of all kinds, with types, in a neater and more expeditious manner than hath hitherto been used; to hold to him, his ex̃ors, adm̃ors, & ass^{s}, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westm^{r}, the 19th day of May, in the year above. By writ, &^{c}.

MAXFIELD.
4th June 1784.

1436. A grant unto THOMAS MAXFIELD, of the city of Bath, in the county of Somerset, sadler, of his new invented gutt strainings, upon an entire new construction, for making elastic saddles, which will be of very great ease & advantage in riding, both to the rider and the horse; to hold to him, his ex̃ors, adm̃ors, & assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westm^{r}, the 4th day of June, in the year above. By writ, &^{c}.

BENNETT.
19th June 1784.

1437. A grant unto JOSHUA BENNETT, of the parish of S^{t} Leonard, Shoreditch, weaver, of his new invented method of making and manufacturing of stuffs, which he calls the Princes everlasting union, and which stuffs may be either plain, pearled, striped, figured, cut, or uncut; to hold to him, his ex̃ors, adm̃ors, & ass^{s}, within England, Wales, and town of Berwick-upon-Tweed, and also in all Our colonies and plantations abroad, for the term of 14 years pursuant to the statute; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westm^{r}, the 19th day of June, in the year above. By writ, &^{c}.

ROYLANCE.
19th June 1784.

1438. A grant unto JOSEPH ROYLANCE, of Lambeth, in the county of Surry, gent., of his new invented machine for raising ships & other vessels, of whatever burthen or dimensions, which are sunk in ever so great a depth, and even after the same have sustained damage or become perfect wrecks by laying under water a considerable time; to hold to him, his ex̃ors, adm̃ors, & assigns, within England, Wales, and town of Berwick-upon-Tweed, and also in all Our colonies and plantations abroad, for the term of 14 years pursuant to the statute; with a clause to inroll the same within 4 calendar months from the date hereof. W. H. M. at Westm^{r}, the 19th day of June, in the year above. By writ, &^{c}.

FROST.
FROST.
28th June 1784.

1439. A grant unto ROBERT FROST and THOMAS FROST, of the town of Nottingham, hosiers, of their new invented machine and method for making figured lace & network, which may be made of any materials, on an entire new principle, and which will be of particular use in that manufactory; to hold to them, their ex̃ors, adm̃ors, & assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westm^{r}, the 28th day of June, in the year above. By writ, &^{c}.

CARNE.
3rd July 1784.

1440. A grant unto JOHN CARNE, of the parish of Saint Austell, in the county of Cornwall, millwright, of his new invented machine, on an inverted principle, for raising and removing earth, sand, stone, and other materials; to hold to him, his ex̃ors, adm̃ors, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westm^{r}, the 3^{d} day of July, in the year above. By writ, &^{c}.

RICHMOND. 3rd July 1784.

1441. A grant unto JOHN RICHMOND, of the parish of Saint Andrew, Holborn, in the county of Middlesex, gent., of his new invented candlestick, with a socket or nozzle to fit candles of various sizes without using paper, and which may be applied to candlesticks already made; to hold to him, his exors, admors, & assigns, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westmr, the 3d day of July, in the year above. By writ, &c.

SEYMOUR. 3rd July 1784.

1442. A grant unto BENJAMIN SEYMOUR, of Shad Thames, Southwark, in the county of Surry, ropemaker, of his new invented method of re-manufacturing cordage; also, of making new ropes, and ropes commonly called twice-laid ropes, by spinning the yarn together without knots, and of laying and closing them with more regularity & expedition, and with half the number of men that have hitherto been required; to hold to him, his exors, admors, & assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westmr, the 3rd day of July, in the year above. By writ, &c.

BELL. 9th July 1784.

1443. A grant unto THOs BELL, the elder, of Walton-in-the-Dale, in the coy Palatine of Lancaster, copper plate printer, of his new, peculiar, & improved art or method of prints 1, 2, 3, 4, 5, or more colours, all at one and the same time, upon linens, cottens, callicoes, muslins, woolen cloths, silks, stuffs, or any other species of goods or articles capable of being printed, by a much cheaper method than any hitherto found out; to hold to him, his exors, admors, & asss, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the stat; with a clause to inroll the same within 4 calendar months from the date hereof. Witness H. M. at Westr, the 9th day of July, in the year above. By writ, &c.

PHILIPPE. 20th July 1784.

1444. A grant unto JEAN PHILIPPE, of Rupert Street, in the parish of St James', Westmr, of his new invented spring or springs made of tempered steel, either flat or square, upon a principle entirely new, which is thinner, more supple, and fitter to be used for garters, bracelets, boots, buckles, sashes, stays, and jumps for ladies, sword, and other belts, binders for letters, and bandages of every sort, also buckles for breeches and waistbands; to hold to him, his exors, admors, & asss, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within 4 calendar months from the date hereof. W. H. M. at Westmr, the 20th day of July, in the year above. By writ, &c.

MARCH. 28th July 1784.

1445. A grant unto RICHD MARCH, of the parish of St Clement Danes, in the county of Middx, hosier, of his new invented machine for the making and manufacturing of all sorts of platted work, plain & figured lace, chain lace, lines, ropes & cables, nets & network; to hold to him, his exors, admors, & asss, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within 4 calendar months from the date hereof. W. H. M. at Westmr, the 28th day of July, in the 24th year of the reign, & in the year of our Lord 1784. By writ, &c.

WRIGHT. 30th July 1784.

1446. A grant unto JERVAS WRIGHT, of Cranage, in the county of Chester, gent., of his new invented machine, upon an entire new principle, for sowing wheat, bean, peas, and other grain and seed, which may be fixed to a

plough or otherwise, and be made to any size or dimensions required; to hold to him, his exors, admors, & ass^{s}, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westm^{r}, the 30th day of July, in the year above. By writ, &c.

Wood. 20th August 1784.

1447. A grant unto Sutton Thomas Wood, of the city of Oxford, brewer, of his new invented improvements on the steam engine, and also the method of adapting and connecting the coppers or boilers, employed in the operation and for the purposes of brewing, to any engine or engines that are worked by the powers of steam & air, so as to render the steam produced from the boiling worts, & the steam produced during the operation of brewing, capable of working those engines commonly known by the name of fire or steam engines; to hold to him, his exors, admors, & ass^{s}, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within 4 calendar months from the date hereof. W. H. M. at Westm^{r}, the 20th day of Aug^{t}, in the year. By writ, &c.

Murray. 20th August 1784.

1448. A grant unto Robert Murray, of Lower Grosvenor Place, in the parish of Saint George, Hanover Square, esquire, of his new invention for the refining of sugar and making from the sugar from the cane juice, and by means of which muscavado or brown sugar may be made to yield a considerably greater proportion of refined sugar, and better in quality than can be obtained by the methods usually practised, and that this discovery, by encreasing the quantity and diminishing the price of that useful commodity, may be rendered very beneficial to His Majesty's subjects; to hold to him, his exors, admors, & assigns, within England, Wales, and town of Berwick-upon-Tweed, and also within His Majesty's colonies and plantations abroad, for the term of 14 years pursuant to the statute; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westm^{r}, the 20th day of August, in the year above. By writ, &c.

Jackson. 20th August 1784.

1449. A grant unto William Jackson, of Vine Street, Lambeth Marsh, in the parish of S^{t} Mary, Lambeth, in the county of Surry, musician, of his new invented musical instrument, which he calls the British lyre; to hold to him, his exors, admors, & assigns, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westminster, the 20th day of August, in the year above. By writ, &c.

Richards. 11th Sept. 1784.

1450. A grant unto Henry Richards, of Ditchingham, in the county of Norfolk, linen manufacture, of his new invented machine, for the purpose of spinning and reeling wool, hemp, flax, cotton, silk, & mohair; to hold to him, his exors, admors, & assigns, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within 4 calendar months from the date hereof. W. H. M. at Westm^{r}, the 11th day of Sept^{r}, in the year above. By writ, &c.

Stable. 27th Sept. 1784.

1451. A grant unto William Stable, of the Strand, in the county of Middlesex, glover & undertaker, of his new invented method of making every sort of gloves on a new principle, & for applying to them a new way to fasten them, so as to sit close at the wrist, & for altering & applying the invention to ready-made gloves of every denomination; to hold to him, his exors, admors, & ass^{s}, within England, Wales, & town of Berwick-upon-

Tweed for the term of 14 years pursuant to the statute ; with a clause to inroll the same within 4 calendar months from the date hereof. W. H. M. at Westmr, the 27 day of September, in the year above. By writ, &c.

CAMERON. 30th Sept. 1784.

1452. A grant unto ROBT. CAMERON, of Rosomon Street, Clerkenwell, in the county of Middlesex, engineer, of his new invented improvemts in sawing machines, & his new method of working sawing machines ; to hold to him, his exors, admors, & asss, within England, Wales, & town of Berwick-upon-Tweed, and also within His Majesty's colonies & plantations abroad, for the term of 14 yrs pursuant to the statute ; with a clause to inroll the same within 4 calendar months from the date hereof. W. H. M. at Westmr, the 30th day of Septr, in the year above. By writ, &c.

NOBLE. 6th Nov. 1784.

1453. A grant unto MARK NOBLE, of Torrington Street, Ratcliff Highway, gent., of his new invented machine (to serve as a substitute for a crank) for raising water, &c ; to hold to him, his exors, admors, & asss, within England, Wales, & town of Berwick-upon-Tweed, and also within all His Majesties colonies and plantations abroad, for the term of 14 years pursuant to the statute ; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westmr, the 6th day of Novr, in the 25 year of the reign of King George the 3d, and in the year of our Lord 1784. By writ, &c.

JAMES. 15th Nov. 1784.

1454. A grant unto NATHANIEL JAMES, of the city of Bristol, sadler and trussmaker, of his new invented spring trusses for ruptures, on a new construction, both single, double, navel, side, & inguinal ; to hold to him, his exors, admors, & assigns, within England, Wales, and town of Berwick-upon-Tweed, and also within His Majesty's colonies and plantations abroad, for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westmr, the 15th day of November, in the year above. By writ, &c.

WOOD. 17th Nov. 1784.

1455. A grant unto SUTTON THOS WOOD, of the city of Oxford, brewer of his new discoveries in the applicatn of steam, & also certain methods of using the water produced from condensed steam, & for applyg the water from the copper or boiler of steam engines or other purposes then that of working the steam engine ; & also various methods of heating & applyg water for the sevl purposes of the breweries & distilleries, & for forwardg the process of the breweries & distilleries, & for forwardg the process of brewing ; & also certain methods of constructg & adaptg coppers, boilers, tubes, & other hollow bodies, for the more effectual means of heating water & worts, & of renderg such coppers, boilers, tubes, & other hollow bodies as are employed in the breweries and distilleries steam & air tight ; to hold to him, his exors, admors, & asss, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the stat. ; with a claue to inroll the same within 4 calendar months from the date hereof. W. H. M. at Westmr, the 17th day of Novr, in the year above. By writ, &c.

TAYLOR. 26th Nov. 1784.

1456. A grant unto DAVID TAYLOR, of Chas Street, Grosvr Square, boot & shoe maker, of his new invented buckle chaple (or shoe fastning) on a new construction ; to hold to him, his exors, admors, and asss, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute ; with a clause to inroll the same within 4 calendar month from the date hereof. W. H. M. at Westmr, the 26th day of Novr, in the year above. By writ, &c.

HALL.
29th Nov. 1784.

1457. A grant unto GEORGE HALL, of the Strand, in the county of Middlesex, gold buckle maker, of his new improvement in the construction of chapes for shoe & other buckles, which are better adapted for the same than any now in use; to hold to him, his exors, admors, & assigns, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westmr, the 29th day of Novr, in the year above. By writ, &c.

SAVIGNY.
4th Dec. 1784.

1458. A grant unto JOHN HORATIO SAVIGNY, of his new invented method of making of skaits, and parlarly of fixing them on with more ease, safety, & expedition than hath hitherto been discovered; to hold to him, his exors, admors, & assigns, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westmr, the fourth day of December, in the year above. By writ, &c.

EDGELL.
12th Jan. 1785.

1459. A grant unto JAMES EDGELL, of Froome Selwood, in the county of Somerset, gent., of his new invented axle or center pin, proper & fit for the wheels of coaches, chaises, waggons, carts, & all other wheel carriages, which axles or center pins are so constructed, affixed, & supported as greatly to reduce & lessen the friction thereon, they being made much smaller in the parts producing friction than any axles hitherto used for wheel carriages, & yet are fixed & supported in such manner as to preserve equal or greater strength & security from breaking or danger than the axles now in use, by means whereof such carriages will be drawn with much greater ease to the horses or beasts drawing the same than by any method before found out; to hold to him, his exors, admors, & ass^{s}, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westmr, the 12th day of Jañry, in the year above.
By writ, &c.

GULLET.
15th Jan. 1785.

1460. A grant unto CHRISTOPHER GULLET, of the city of Exeter, and county of Devon, esquire, of his new, simple, and cheap for working pumps, mills, gins, whyms, cranes, and other machines by the force and action of the wind and the power of condensed air only, in lieu and stead of the powers of water and fire and human or animal strength, or any of them, for those purposes, and in lieu and stead of common windmills and other mills hitherto invented, which new invention he denominates and calls "eolian engines," and which may either be used alone, and wrought by the air and wind only, or in conjunction with the other powers of water, or fire, or human or animal strength, or any of them, as may be thought most convenient, or at the will of those who may erect them, and whose motion or velocity may be regulated and checked at pleasure; which invention and discovery he apprehends and verily believes will be of the greatest public benefit, and attended with many very great advantages to the community, in extracting the water and lifting and raising the ores, minerals, fossills, and other substances from mines, quarries, collieries, and other subterraneous work, and from the greatest or any depths to any heights, and also for raising or forcing water from springs, currents, ponds, and other reservoirs to any height, and for working corn mills, saw mills, and other mills, and for all other purposes whatsoever hitherto generally effected by means of human or animal strength, or the powers of fire, water, or steam, or some or one of them, and for aiding, assisting, and co-operating with any of those powers as may be thought proper; to hold to him, his exors, administrators, and assigns, within

England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westminster, the fifteenth day of January, in the year above. By writ, &c.

VAN THORNHOFF. 28th Jan. 1785.

1461. A grant unto VAN THORNHOFF, of Great Shire Lane, in the parish of Saint Clement Danes, in the county of Middlesex, merchant, of his new invented machine (which was communicated to him when abroad by a certain foreigner), for digging up of ground in a much more cheap and expeditious manner than any hitherto practised, and by the help of which upwards of thirty-six square rods or poles of land may be dug by one man in the space of twelve hours, which machine may be made use of with equal advantage in digging hard and stony ground as other soils; that he conceives the same will be of great benefit to agriculture in general, particularly in the West Indies and other places where negroes are employed; to hold to him, his executors, admors, and assigns, within England, Wales, & town of Berwick-upon-Tweed, and also within His Majesty's colonies & plantations abroad, for the term of 14 years pursuant to the statute; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westmr, the 28th day of January, in the year above. By writ, &c.

EDWARDS. 28th Jan. 1785.

1462. A grant unto JAMES EDWARDS, late of Halifax, in the county of York, but now of Pall Mall, in the county of Middlesex, bookseller, of his new invented method of embellishing books bound in vellum, by making drawings on the vellum which are not liable to be defaced but by destroying the vellum itself; to hold to him, his exors, admors, & ass^{s}, within England, Wales, and town of Berwick-upon-Tweed, and also within His Majestys colonies & plantations abroad, for the term of 14 years pursuant to the statute; with a clause to inroll the same within one month from the date hereof. W. H. M. at Westmr, the 28th day of Jañry, in the year above. By writ, &c.

BECK. 28th Jan. 1785.

1463. A grant unto STEPHEN BECK, of Bell Dock, Wapping, in the county of Middlesex, brazier, of his new invented machine or ships hearth or stove, with copper or iron kettles, for the dressing of victuals on board of ships, whereby such victuals are not only more commodiously dressed, but much less fuel is necessary than is consumed in the ordinary mode of dressing the like victuals; to hold to him, his exors, admors, & ass^{s}, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to enroll the same within four calendar months from the date hereof. W. H. M. at Westmr, the 28th day of Jañry, in the year above. By writ, &c.

DAVIS. 28th Jan. 1785.

1464. A grant unto JOHN DAVIS, of New Windsor, in the county of Berks, smith & locksmith, of his new invented method of curing smokey chimnies; to hold to him, his exors, admors, & assigns, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within one calendar month from the date hereof. W. H. M. at Westmr, the 28th day of Jañry, in the year above. By writ, &c.

MARTIN. 18th Feb. 1785.

1465. A grant unto JOHN MARTIN, of the town of Southampton, wine merchant, of his new invented roasting jack, with pullies and other appurtenances, on a new construction, which he calls a tourne broche; to hold to him, his exors, administrators, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute;

with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westminster, the 18th day of February, in the year above. By writ, &c.

PLAYFAIR. 26th Feb. 1785.

1466. A grant unto WILLIAM PLAYFAIR, of his new invented methods of making shoe, knee, stock, and other buckles of silver or other metals, & of covering the surface of copper or other metals with silver, gold, or mixtures of silver or gold with other metals, which operation is commonly called plating, which methods will be of great public utility in the manufacturing of buckles & of those pieces of metal covered with thin sheets of silver or gold commonly called plated metal; to hold to him, his exors, admors, & assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within one calendar month from the date hereof. W. H. M. at Westmr, the 26th day of Febry, in the year above. By writ, &c.

TATE. 26th Feb. 1785.

1467. A grant unto JAMES TATE, of Mill Street, in the parish of Saint George, Hanover Square, brazier and ironmonger, of his new invented candlesticks, and nozles for sconces, chandeliers, girandoles, & other things used for holding candles, which will receive, keep upright, and hold fast candles of every size without the trouble of paring or the addition of paper, & without damaging the candles, either in putting in or taking out; to hold to him, his exors, admors, & assigns, within England, Wales, & town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date hereof. W. H. M. at Westmr, the 26th day of Febry, in the year above. By writ, &c.

RANSOME. 18th March 1785.

1468. A grant unto ROBERT RANSOME, of the city of Norwich, founder, of his new invented art of making plough shares of cast iron which is tempered after a peculiar manner so as to stand the strictest proof, which he apprehends will be of great publick utility; to hold to him, his executors, administrators, and assignes, within England, Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date hereof. W. H. M. at Westminster, the 18th day of March, in the year above. By writt, &c.

GILLIES. 22nd March 1785.

1469. A grant unto ALEXANDER GILLIES, of Little Suffolk Street, in the parish of St Martins-in-the-Fields, shoemaker, of his new invented clogs for the use and wearing of ladies & gentlemen, which he conceives are superior in utility to those now used; to hold to him, his exors, admors, & ass^{s}, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within one calendar month from the date hereof. W. H. M. at Westmr, the 22d day of March, in the year above. By writ, &c.

CARTWRIGHT. 4th April 1785.

1470. A grant unto EDMUND CARTWRIGHT, of Doncaster, in the county of York, master of arts, of his new invented machine for weaving; to hold to him, his exors, admors, & assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within one calendar month from the date hereof. W. H. M. at Westmr, the 4th day of April, in the year above. By writ, &c.

DAY. 4th April 1785.

1471. A grant unto PHILIP DAY, of Cateaton Street, London, trunkmaker, of his new invented travelling trunk, box, or case, which may be converted into a writing or other table, with folding feet, and a seat with folding feet, which is comprised in the same space as a common trunk, and which is

peculiarly adapted for camps or ships; to hold to him, his exors, admors, & assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within one calendar month from the date hereof. W. H. M. at Westmr, the 4th day of April, in the year above. By writ, &c.

RAWLE. 16th April 1785.

1472. A grant unto VALENTINE RAWLE, of Cursitor Street, in the parish of St Andrew, Holborn, in the county of Middlesex, merchant, of his new invention, whereby the objections generally made to plated wares manufactured on copper or other metals are avoided, by covering the mitres, angles, or joints with stronger plated metal or solid silver, as the nature of the wares may require, and which invention is likewise applicable to wares made round, oval, &c; to hold to him, his exors, admors, & assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date hereof. W. H. M. at Westmr, the 16th day of April, in the year above. By writ, &c.

BLAIR. 26th April 1785.

1473. A grant unto ROBERT BLAIR, surgeon in the Royal Navy, of his new invented method to improve the refracting telescope & other optical instruments; to hold to him, his exors, admors, & assigns, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within one calendar month from the date hereof. W. H. M. at Westmr, the 26th day of April, in the year above. By writ, &c.

PAYTON. 30th April 1785.

1474. A grant unto JAMES PAYTON, of Sweetings Alley, in the parish of St Michael's, Cornhill, and city of London, glover, of his new invented improvement in the construction of gloves of all kinds, whereby they are made more elastic and durable, and will fit closer and neater in all respects than any now in use; to hold to him, his executors, admors, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within one calendar month from the date hereof. W. H. M. at Westmr, the 30th day of April, in the year above. By writ, &c.

DE LA MAYNE. 3rd May 1785.

1475. A grant unto THOMAS DE LA MAYNE, of Charlotte Street, Rathbone Place, in the parish of St Pancras, in the county of Middlesex, gentleman, of his new invented art of making buttons of burnt earth or porcelaine; to hold to him, his exors, admors, & ass^{s}, within England, Wales, & town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date hereof. W. H. M. at Westmr, the 3d day of May, in the year above. By writ, &c.

GODBOLD. 3rd May 1785.

1476. A grant unto NATHANIEL GODBOLD, of Bloomsbury Square, in the county of Middx, gent., of his new invented medicine for the cure of consumptions & disease in the lungs, and from the result of his unremitting assiduity, sedulous labour, & study of the nature & virtue of drugs & herbs, & after a great variety of experiments he has traced the disease to its sources, which medicine is called "Godbolds vegetable balsam," which has produced the most extraordinary cures; to hold to him, his exors, admors, & ass^{s}, within England, Wales, & town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date hereof. W. H. M. at Westmr, the 3rd day of May, in the year above. By writ, &c.

PHILLIPS. 3rd May 1785.

1477. A grant unto JAMES PHILLIPS, of Mortlake, in the county of Surry, ironmonger, of his new invented stove for coppers, furnaces, malthouses, & all other places and manufactories where that species of stoves or fireplaces commonly called copper-holes or stoke-holes are made use of, which will not be liable to be out of repair, but is infinitely more durable than any now in use, and has the peculiar advantage of saving fuel, time, & labour; to hold to him, his exors, admors, & assigns, within England, Wales, & town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date hereof. W. H. M. at Westmr, the 3d day of May, in the year above.
By writ, &c.

BRAMAH. 9th May 1785.

1478. A grant unto JOSEPH BRAMAH, of Piccadilly, in the county of Middlesex, engine maker, of his new invented hydrostatical machine and a boiler, on a more peculiar principle than any other ever yet make known to the public, in which said machine may be employed the power of air, steam, or any other elastic vapour, for the purpose of working all kinds of mechanical & other engines; and such machine is also capable of becoming the primordial or first cause of motion in all kinds of inanimate movements whatsoever, & may be employed, instead of pumps or any other hydrantic engine, for the purpose of raising water through any given space, & will for that purpose be found much more effectual, durable, convenient, & less expensive than any other engine or pump yet known or in use; to hold to him, his exors, admors, & asss, within England, Wales, & town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date hereof. W. H. M. at Westmr, the 9th day of May, in the year above. By writ, &c.

FROST. 9th May 1785.

1479. A grant unto JAMES FROST, of the city of Norwich, architect, of his new invented machine (or movement) producing an alternate progressive & retrogade motion by a continual rotation; to hold to him, his exors, admors, & assigns, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within one calendar month from the date hereof. W. H. M. at Westmr, the 9th day of May, in the year above. By writ, &c.

MORSE. 13th May 1785.

1480. A grant unto ANNE MORSE, wife of Edward Morse, of London, gentleman, of her new invented sandal clog for the use of ladies, upon an entire new construction; to hold to her, her exors, admors, & assigns, within England, Wales, & town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date hereof. W. H. M. at Westmr, the 13th day of May, in the year above. By writ, &c.

PHILLIPS. 20th May 1785.

1481. A grant unto JAMES PHILLIPS, of George Yard, Lombard Street, London, stationer, of his new invented improvement in & upon cocks & valves; to hold to him, his exors, admors, & assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within one calendar month from the date hereof. W. H. M. at Westmr, the 20th day of May, in the year above.
By writ, &c.

COOPER. 24th May 1785.

1482. A grant unto JOHN COOPER, of Birmingham, in the county of Warwick, japanner, of his new invented method of japanning or blueing buckles and clasps in use for mourning, of a very fine blue colour, upon buckles and clasps of any form, size, shape, pattern, or dimension, made of tin, pewter,

lead, or any other whited or white metals, or any mixture or composition of the said metals, which, from repeated trials and experiments, is found to answer much better than the common or any other invention that hath hitherto been invented and now in use ; to hold to him, his exors, admors, & assigns, within England, Wales, and town of Berwick-upon-Tweed, and also within His Majesty's colonies and plantations abroad, for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westmr, the 24th day of May, in the year above. By writ, &c.

WALDRON. 4th June 1785.

1483. A grant unto THOMAS WALDRON, of Catherine Street, in the parish of St Martin-in-the-Fields, in the liberty of Westminster, upholder, of his new construction of & improvement in & upon bedsteads, by putting them together without screws & nutts, & likewise effectually prevents vermin from harbouring therein, which will be of general benefit & advantage; to hold to him, his exors, admors, & assigns, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within one calendar month from the date hereof. W. H. M. at Westmr, the 4th day of June, in the year above. By writ, &c.

HILTON. 11th June 1785.

1484. A grant unto ROBERT HILTON, of Preston, in the county of Lancaster, flour merchant, of his new invented improvements on windmills, consisting of a method of furling and unfurling the cloth which is made use of upon the sails, either when the mill is or is not at work ; of raising & falling the acting millstones in the mill, so as to cause them to grind to much greater advantage by the motion of the mill, according to the different force and pressure of the wind upon the sails thereof ; & a regulating nut or wheel for turning the stones, so as to cause the mill to work in a more uniform manner than by any method hitherto used or known ; to hold to him, his exors, admors, & assigns, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute ; with a clause to inroll the same within one calendar month from the date hereof. W. H. M. at Westmr, the 11th day of June, in the year above. By writ, &c.

WATT. 14th June 1785.

1485. A grant unto JAMES WATT, of Birmingham, in the county of Warwick, engineer, of his new improved methods of constructing furnaces or fireplaces, for heating, boiling, or evaporating of water and other liquids, (which are applicable to steam engines & other purposes,) and also for heating, melting, & smelting of metals & their ores, whereby greater effects are produced from the fuel, and the smoak is in a great measure prevented or consumed; to hold to him, his exors, admors, & assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date hereof. W. H. M. at Westmr, the 14th day of June, in the year above. By writ, &c.

WINLAW. 21st June 1785.

1486. A grant unto WILLIAM WINLAW, of Margaret Street, Cavendish Square, in the county of Middlesex, engine maker, of his new invented mill for separating the grains from the ears of corn, which has not only been found to perform as much in one hour as can be done by threshing in a day, but likewise to produce a greater quantity of grain, as it will not admit a single grain to remain in the ear, which will be a saving to the public of (at least) as much seed as is sown throughout the whole kingdom ; to hold to him, his exors, admors, & assigns, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute ; with a clause to inroll the same within one calendar month from the date hereof. W. H. M. at Westmr, the 21st day of June, in the year above. By writ, &c.

PHILLIPS. 16th July 1785.

1487. A grant unto GEORGE PHILLIPS, of Chandos Street, in the parish of S[t] Paul, Covent Garden, in the county of Middlesex, salesman, of his new invented method of making gentlemens coats and ladies riding habits on a new construction, so that the said coats or habits have no seams down the back or sides thereof, and but one seam in each of the sleeves, which he apprehends will be of great utility, not being subject to the inconvenience of ripping, & yet sit in as easy & elegant manner as if they had the usual quantity of seams; to hold to him, his exors, admors, & assigns, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within one calendar month from the date hereof. W. H. M. at Westm[r], the 16[th] day of July, in the year above. By writ, &c.

SUTCLIFF. 16th July 1785.

1488. A grant unto ROBERT SUTCLIFF, of Sheffield, in the county of York, cutler, of his new invented dye of a new construction, for stamping & ornamenting the hafts or handles of knives & forks, made of silver, silver plated, or other metal; to hold to him, his exors, admors, & ass[s], within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within one calendar month from the date hereof. W. H. M. at Westm[r], the 16 day of July, in the year above. By writ, &c.

DAWES. 16th July 1785.

1489. A grant unto THOMAS DAWES, of Dean Street, Soho, upholder, of his new invented sun shade for the outside of windows, on a principle entirely new; to hold to him, his executors, admors, & assigns, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within one calendar month from the date hereof. W. H. M. at Westm[r], the 16 day of July, in the year above. By writ, &c.

LEWIS. 16th July 1785.

1490. A grant unto THOMAS LEWIS, of the parish of Saint Martins, Ludgate, in the city of London, jeweller & hardwareman, of his new invented truss, upon an entire new principle, for the cure of ruptures of all kinds, which has received the entire approbation of such of the faculty to whom he hath communicated the same, and which he therefore conceives will be of much greater benefit and advantage to such persons who labour under that disorder than any other now in use; to hold to him, his exors, admors, & ass[s], with England, Wales, & town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date hereof. W. H. M. at Westm[r], the 16[th] day of July, in the year above. By writ, &c.

GOLDSWORTH. 23rd July 1785.

1491. A grant unto JOHN GOLDSWORTH, of Maiden Lane, Cheapside, London, musical instrument maker, of his new invented and entire improvement upon the musical instrument called the guittar, by which the same will become a perfect instrument of its kind, which hath never before been discovered, and by which the same can be more easy repaired and kept in tune; to hold to him, his exors, admors, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date hereof. W. H. M. at Westm[r], the 23[d] day of July, in the year above. By writ, &c.

WOOD. 27th July 1785.

1492. A grant unto SUTTON THOMAS WOOD, of the city of Oxford, brewer, of his new method of distilling, rectifying, refining, and preparing spirits, oils, sugars, and salts, and other substances and solutions, by the power and application of steam; and certain discoveries in the application of steam to the carrying on and to the various purposes of trades and manufactures, which he

apprehends will be of great public advantage; to hold to him, his exors, admors, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date hereof. W. H. M. at Westminster, the 27th day of July, in the year above. By writ, &c.

HATELEY. 3rd August 1785.

1493. A grant unto JOSEPH HATELEY, of Dudley, in the county of Worcester, engineer, of his new invented rotatory reciprocal fire engine, for saving of fuel, increasing the powers, reducing the expence, and making them of more utility and general good than any heretofore discovered, for lifting, raising or forcing of water, raising or drawing of coal, iron, stone, clay, lead, tin, copper, and for the completion of business in all manufactures where mechanic powers are necessary, or any other business that can be performed by animate or inanimate powers whatever; to hold to him, his exors, admo , and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date hereof. W. H. M. at Westminster, the third day of August, in the year above. By writ, &c.

HANDS. 4th August 1785.

1494. A grant unto SAMUEL HANDS, of his new invention or method of making hats and caps of copper, tin, and other metals japanned, being more durable than the hats and caps now in use, and a better protection against the weather; to hold to him, his exors, admors, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date hereof. W. H. M. at Westmr, the 4th day of August, in the year above. By writ, &c.

CHATER. 5th August 1785.

1495. A grant unto JAMES CHATER, of the parish of St. Mary, Islington, in the county of Middlesex, watchmaker, of his new invented instrument, which he calls a "watch and note guard," which will effectually prevent pick-pockets from robbing persons of their watches, and will likewise prevent accidents of various kinds, which too frequently happen to persons wearing watches and carrying notes in their breeches pockets, and which watch guard may likewise be worn to ladies watches; to hold to him, his exors, admors, and assigns, within England, Wales, and town of Berwick-upon-Tweed, for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date hereof. W. H. M. at Westminster, the fifth day of August, in the year above. By writ, &c.

POULAIN. 13th Sept. 1785.

1496. A grant unto JOHN POULAIN, of his new invented composition for tinning or lining of all utensils or vessels made of copper, brass, iron, or other metals, especially those used for kitchen or culinary purposes; to hold to him, his executors, administrators, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date hereof. W. H. M. at Westminster, the thirteenth day of September, in the year above. By writ, &c.

MACKENZIE. 19th Oct. 1785.

1497. A grant unto COLIN MACKENZIE, of King Street, in the parish of Saint James, in the liberty of Westminster, in the county of Middlesex, smith and bell hanger, of his new invented alarm clatterer, to prevent house breaking; that the manner of fixing the same is also intirely new, and that it so constructed as to make a noise to alarm the people in the house, and also in the street adjacent, which the petitioner apprehends will be of great use and benefit; to hold to him, his executors, administrators, and assigns, within

England, Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date hereof. W. H. M. at Westmr, the 19th day of October, in the year above. By writt, &c.

HORN. 20th Oct. 1785.

1498. A grant unto JOHN HORN, of Dover, in the county of Kent, gentleman of his new invented machine, which may be used separately or as an appendage to a plough, for the purpose of sowing the seed of every species of vegetable in a manner entirely new, and more expeditious and regular than heretofore known, and which requires a lesser quantity of seed to produce a large crop than is necessary by the common mode of casting, whereby a considerable saving will be effected; and it also possesses the peculiar quality of sowing in the broad cast way as well as dropping the seed into furrows, and may be regulated with ease so as to sow any quantity at the discretion of the seedsman; to hold to him, his executors, administrators, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date hereof. W. H. M. at Westminster, the 20th day of October, in the year above. By writ, &c.

POTTER. 28th Oct. 1785.

1499. A grant unto RICHARD POTTER, of Pemberton Row, in the city of London, musical wind instrument maker, of his new improvement upon the musical instrument commonly called the German flute, and which invention is also as to part thereof applicable to and an improvement upon most of such other musical wind instruments as are played upon with keys; to hold to him, his executors, administrators, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date hereof. W. H. M. at Westminster, the 20th day of October, in the year above. By writ, &c.

MORRIS. 28th Oct. 1785.

1500. A grant unto JOHN MORRIS, of Greenwich, in the county of Kent, carpenter, of his new method of making window shutters of wood, iron, tin, and other materials, to slide up and down, and thereby to regulate and shade the light, and shut up and blind the windows; and which are particularly calculated for taking up little room, to open and shut with greater facility than the window shutters now in use, and for safety against thieves and housebreakers; to hold to him, his executors, administrators, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date hereof. W. H. M. at Westminster, the 28th day of October, in the year above. By writt, &c.

TATE. 2nd Nov. 1785.

1501. A grant unto JAMES TATE, of Mill Street, Hanover Square, in the county of Middlesex, ironmonger, of his new invented cock or valve, for all sorts of vessels, which are not liable to be out of repair, and are more durable than the cocks or valves now in use; to hold to him, his executors, administrators, and assigns, within England, Wales, and town of Berwick-upon-Tweed, for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date hereof. W. H. M. at Westmr, the 2d day of November, in the year above. By writt, &c.

LUKIN. 2nd Nov. 1785.

1502. A grant unto LIONEL LUKIN, of Long Acre, in the parish of Saint Martin-in-the-Fields, coachmaker, of his new improvement in the construction of boats and small vessels for either sailing or rowing; they neither overset in violent gales or sudden gusts of wind, nor sink, if by any accident they should be filled with water; to hold to him, his executors,

administrators, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within one calendar month from the date hereof. W. H. M. at Westminster, the 2d day of November, in the year above. By writt, &c.

WILLIS. SAUNDERS. 3rd Nov. 1785.

1503. A grant unto JOSEPH WILLIS, of Carey Street, Lincolns Inn, boot and shoemaker, and WILLIAM SAUNDERS, of the city of Gloucester, currier, of their new method of dressing and preparing leather, with turned feet, for boots, half boots, and spatterdashers or gaiters, and making boots, half boots, and spatterdashers or gaiters for men and women, without any seam in the instep, by which means the foot will slide more easily in, and they will fit and turn water better than those now in use. And also of preparing leather for shoes, and making shoes without any heel seam, or side seam, which will likewise wear better, and sit water than those now used ; to hold to them, their executors, administrators, and assigns, within England, Wales, and town of Berwick-upon-Tweed, for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within one calendar month from the date hereof. W. H. M. at Westminster, the 3rd day of November, in the year above. By writt, &c.

WATSON. 4th Nov. 1785.

1504. A grant unto CHRISTOPHER WATSON, of Rotherhith, shipbuilder, of his new invented floating dock, for docking of ships in rivers, harbours, or at sea, and where there is no tide ; to hold to him, his executors, administrators, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within one calendar month from the date hereof. W. H. M. at Westminster, the fourth day of November, in the year above. By writt, &c.

SUTCLIFF. 7th Nov. 1785.

1505. A grant unto ROBERT SUTCLIFF, of Sheffield, in the county of York, cutler, of his new invented dye, of a new construction, for stamping and ornamenting the hafts or handles of knives and forks made of silver, silver plated, or other metal ; to hold to him, his executors, administrators, and assigns, within England, Wales, and town of Berwick-upon-Tweed, for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within one calendar month from the date hereof. W. H. M. at Westminster, the 7th day of November, in the year above. By writt, &c.

SKEYS. 7th Nov. 1785.

1506. A grant unto JOHN SKEYS, member of the British factory at Lisbon, of his new invented pump, on a new construction ; to hold to him, his executors, administrators, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within one calendar month from the date hereof. W. H. M. at Westmr, the 7th day of November, in the year above. By writt, &c.

BLONK. 8th Nov. 1785.

1507. A grant unto BENJAMIN BLONK, of his new invented method of stamping, impressing, or rolling of scissars out of a bar, sheet, plate, or string of steel, by means of certain instruments, machines, or apparatus, called stamps, fly stamps, fly or screw presses, or rolling with cylinders ; to hold to him, his executors, administrators, and assigns, within England, Wales, and town of Berwick-upon-Tweed, for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within one callendar month from the date hereof. W. H. M. at Westminster, the 8th day of November, in the year above. By writ, &c.

BERRIMAN. 10th Nov. 1785.

1508. A grant unto ROBERT BERRIMAN, of Speen, in the county of Berks, wheelwright, of his new invented apparatus for the purpose of supplying carriage and all other kinds of wheels with grease, without taking them from

the axle, and whereby they will be enabled to run considerably longer without fresh greasing than by any other method hitherto practised; to hold to him, his executors, administrators, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date hereof. W. H. M. at Westminster, the tenth day of November, in the year above. By writt, &c.

DARBY. 10th Nov. 1785.

1509. A grant unto WILLIAM DARBY, of Sheffield, in the county of York, silversmith, of his new invented method of manufacturing of spoons, and other articles, in a much more cheap, expeditious, and durable manner than hitherto used, and whereby the defects now complained of are entirely remedied; to hold to him, his executors, administrators, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date hereof. W. H. M. at Westminster, the tenth day of November, in the year above. By writt, &c.

STEDMAN. 17th Nov. 1785.

1510. A grant unto JOHN STEDMAN, of the parish of Saint Ann's, Soho, in the county of Middlesex, jeweller, of his new invented simpathetic hinges and quadrants, with folding doors, gates, and shutters, with new invented fastnings for the same; to hold to him, his executors, administrators, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date hereof. W. H. M. at Westminster, the 17th day of November, in the year above. By writt, &c.

ALSTONE. 19th Nov. 1785.

1511. A grant unto JAMES ALSTONE, of Bermingham, in the county of Warwick, buckle and button maker, of his new invented improved methods of lining, edging, plating, and covering, either in the whole or in part, with silver or gold and otherwise, buckles and other articles made of iron, copper, or other metals, or mixt metals, by the use and application of tin, or alloyed tin; to hold to him, his executors, administrators, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of fourteeen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date hereof. W. H. M. at Westminster, the nineteenth day of November, in the year above. By writt, &c.

ROTHWELL. 19th Nov. 1785.

1512. A grant unto JOHN ROTHWELL, of the parish of Saint Paul, Shadwell, in the county of Middlesex, gentleman, of his new invented improvement in the construction and principle of valve water-cocks, by which they will not be so liable to be out of repair as those now in use, and are infinitely cheaper and more durable, and in all respects much more advantageous to the public than any hitherto used; to hold to him, his executors, administrators, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date hereof. W. H. M. at Westminster, the nineteenth day of November, in the year above. By writt, &c.

BROCQ. 5th Dec. 1785.

1513. A grant unto PHILIP LE BROCQ, of Limington, in the county of Southampton, clerk, of his new invented methods of rearing, training, cultivating, and bringing to perfection all kinds of fruit bearing trees, shrubs, and plants, vines, pines, melons, and cucumbers, and all sorts of culinary and esculent plants, whether indigenous or exotic, and all kinds of trees, shrubs, plants, and flowers in general, which require an accumulated and artificially

increased degree of the natural heat of the sun to bring them to maturity or to hasten their growth; and also certain methods of defending and protecting their blossoms, fruits, leaves, and flowers from cold winds, and all noxious influences of the air, and from vermin and insects of all kinds; to hold to him, his executors, administrators, and assigns, within England, Wales, and town of Berwick-upon-Tweed, for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date hereof. W. H. M. at Westminster, the fifth day of December, in the year above. By writ, &c.

SHANKSTER. 9th Dec. 1785.

1514. A grant unto JOHN SHANKSTER, of Great Pulteney Street, in the parish of Saint James, Westminster, in the county of Middlesex, oval turner, of his curious and new method of making or building wheeled carriages, for coaches, chariots, phaetons, calashes, giggs, chaises, waggons, carts, drays, field pieces, and others, with boxes and axletrees, on an entire new principle, whereby the greatest part of the friction attending boxes and axletrees heretofore made is taken off, and such new invented carriages are rendered far more light and easy for work and draught, and neither require grease or oil, and are also applicable in hydraulic, steam, and other engines, mills, and machinery where spindles, axletrees, cranks, or arbors are used, which do not work on centre points; to hold to him, his executors, administrators, and assigns, within England, Wales, and town of Berwick-upon-Tweed, for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date hereof. W. H. M. at Westminster, the ninth day of December, in the year above. By writt, &c.

DIXON. 14th Dec. 1785.

1515. A grant unto HUGH DIXON, of the parish of Saint James, Clerkenwell, in the county of Middlesex, chymist, of his new invented improvements in the construction of telescopes, microscopes, spectacles, and all other instruments of vision, either by a reflection alone, or compounded of refraction and reflection, whereby the field of view is greatly extended and the objects rendered much more distinct than at present; to hold to him, his executors, administrators, and assigns, within England, Wales, and town of Berwick-upon-Tweed, for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date hereof. W. H. M. at Westminster, the fourteenth day of December, in the year above. By writt, &c.

SEVERNE. 19th Dec. 1785.

1516. A grant unto JOSEPH SEVERNE, of the town of Bromyard and county of Hereford, surgeon, of his new invented remedy for the ague, which he calls the aromatic ague cake, and which he has administered in many hundred cases without a single instance of failure; to hold to him, his executors, administrators, and assigns, within England, Wales, and town of Berwick-upon-Tweed, for the term of fourteen years; with a clause to inroll the same within one calendar month from the date hereof. W. H M. at Westminster, the 19th day of December, in the year above. By writt, &c.

BALL. 19th Dec. 1785.

1517. A grant unto SAMUEL BALL, of the town of Nottingham, frame work knitter, of his new apparatus of making, inlaying, and working of hose peices, and all other sorts of work usually made on the stocking frame, of silk, worsted, thread, cotton, and other materials, in a more expeditious manner than any other of the same nature; to hold to him, his executors, administrators, and assigns, within England, Wales, and town of Berwick-upon-Tweed, for the term of fourteen years; with a clause to inroll the same within one calendar month from the date hereof. W. H. M. at Westminster, the 19th day of December, in the year above. By writt, &c.

PENNINGTON. 19th Dec. 1785.

1518. A grant unto JOHN PENNINGTON, of Liverpoole, in the county of Lancaster, china manufacturer, of his new engine or machine, whereby any given number of pumps, sledge hammers, or other subjects requiring the like powers may be wrought with facility, ease, and expedition, and at a small expence, and which he conceives will prove of very great national utility, especially in iron forges and smithies, and on board the navy; to hold to him, his executors, admors, and assigns, within England, Wales, and town of Berwick-upon-Tweed, for the term of fourteen years; with a clause to inroll the same within one calendar month from the date hereof. W. H. M. at Westminster, the 19th day of December, in the year above. By writt, &c.

LUCAS. 21st Dec. 1785.

1519. A grant unto JOSEPH LUCAS, of Long Acre, in the county of Middlesex, tin plate worker, of his new or improved convex mirror, lantern, or lamp, which will reflect and produce considerably more light than any other at present used, and which will be of great public utility in illuminating carriages, houses, and for other purposes; to hold to him, his executors, administrators, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of fourteen years; with a clause to inroll the same within one calendar month from the date hereof. W. H. M. at Westminster, the twenty-first day of December, in the year above. By writt, &c.

GORDON. 23rd Jan. 1786.

1520. A grant unto WALTER GORDON, of Beaufort Buildings, in the parish of Saint Clement Danes, and county of Middlesex, gentleman, of his new invented purified soap, which is infinitely superior to any hitherto used for washing, shaving, and other purposes; to hold to him, his executors, administrators, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of fourteen years; with a clause to inroll the same within one calendar month from the date hereof. W. H. M. at Westminster, the 23d day of January, in the year of our Lord 1786. By writt, &c.

EGINTON. 23rd Jan. 1786.

1521. A grant unto JOHN EGINTON, of Birmingham, in the county of Warwick, engraver, of his new method of making buttons and button moulds of wood; to hold to him, his executors, administors, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of fourteen years; with a clause to inroll the same within one calendar month from the date hereof. W. H. M. at Westminster, the — day of January, in the year last above. By writt, &c.

THOMPSON. 23rd Jan. 1786.

1522. A grant unto JOHN THOMPSON, of his new invented medicine, which he calls "baume d'arquebusade concentre," or concentrated balsam of arquebusade, which is one of the greatest antiseptic chymical preparations, and the most sovereign remedy externally in the cure of fractures, dislocations, &c, gunshot and all kinds of wounds and internally, in the jaundice, and all bilious complaints, the dropsy, gravel, and worms; to hold to him, his exors, administrators, and assigns within England, Wales, and town of Berwick-upon-Tweed for the term of fourteen years; with a clause to inroll the same within one calendar month from the date hereof. W. H. M. at Westminster, the twenty-third day of January, in the year above. By writt, &c.

SIDEBOTHAM. 23rd Jan. 1786.

1523. A grant unto PETER SIDEBOTHAM, of Charing Cross, in the parish of Saint Martin-in-the-Fields, in the county of Middlesex, brazier, of his new invented instrument, the end and intention of which is to give an immediate alarm in case of any accidental or other fire; to hold to him, his exors, admors, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of fourteen years; with a clause to inroll the same within one calendar month from the date hereof. W. H. M. at Westminster, the twenty-third day of January, in the year above. By writt, &c.

GORDELIER. 28th Jan. 1786.

1524. A grant unto NICHOLAS GORDELIER, of the parish of Saint Mathew, Bethnall Green, weaver, of his new invented machine or mill for throwing and winding of silk, and for spinning of cotton, wool, hemp, and flax; to hold to him, his executors, administrators, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of fourteen years; with a clause to inroll the same within one calendar month from the date hereof. W. H. M. at Westminster, the twenty-eighth day of January, in the year above. By writt, &c.

CAMERON. 28th Jan. 1786.

1525. A grant unto ROBERT CAMERON, of Green Dragon Wharf, Narrow Wall, in the parish of Lambeth, in the county of Surry, engineer, of his new methods of raising coals, ores, and water; to hold to him, his executors, administrators, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of fourteen years; with a clause to inroll the same within one calendar month from the date hereof. W. H. M. at Westminster, the twenty-eighth day of January, in the year above. By writt, &c.

BULL. 31st Jan. 1786.

1526. A grant unto JOHN BULL, of the parish of All Saints, in the city of Worcester, glover, of his new invented machine for the purpose of pareing, pumming, friezing, and grounding of leather used in the manufacturing of gloves, breeches, shoes, and for binding of books and for cutting out of shoes, slippers, gloves, mitts, and muffs, and for embellishing the same with ornaments in gold, silver, and colours; to hold to him, his executors, administrators, and assigns, within England, Wales, and town of Berwick-upon-Tweed, for the term of fourteen years; with a clause to inroll the same within one calendar month from the date hereof. W. H. M. at Westminster, the thirty-first day of January, in the year above. By writt, &c.

BELL. 31st Jan. 1786.

1527. A grant unto JAMES BELL, of Battersea, in the county of Surry, malt distiller, of his new method of making from the refuse malt wash after distillation, commonly called spent wash, a vegetable acid or vinegar for the purposes of trades and manufactures; to hold to him, his executors, administrators, and assigns, within England, Wales, and town of Berwick-upon-Tweed, for the term of fourteen years; with a clause to inroll the same within one calendar month from the date hereof. W. H. M. at Westminster, the thirty-first day of January, in the year above. By writt, &c.

FRANCIS. 31st Jan. 1786.

1528. A grant unto JOHN FRANCIS, of Birmingham, in the county of Warwick, founder, of his new method of making coat, waistcoat, and sleeve buttons from pig iron, commonly called cast iron, and japaning and painting the same of different colours and devices; to hold to him, his executors, administrators, and assigns, within England, Wales, and town of Berwick-upon-Tweed, for the term of fourteen years; with a clause to inroll the same within one calendar month from the date hereof. W. H. M. at Westminster, the 31st day of January, in the year above. By writt, &c.

STOREY. 4th Feb. 1786.

1529. A grant unto JAMES STOREY, of the Low Lights, in the parish of Tynemouth, in the county of Northumberland, esquire, of his new invented machine for drawing of coals, lead, tin, and other materials out of mines; to hold to him, his executors, administrators, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date hereof. W. H. M. at Westminster, the fourth day of February, in the year above. By writt, &c.

HEMPEL. 7th Feb. 1786.

1530. A grant unto CHARLES FREDERICK HEMPEL, melting pot manufacturer, of Cheyne Row, in the parish of Saint Luke, Chelsea, in the county of Middlesex, of his new invented proof earthen cases of different shapes,

with heaters made of the same composition, for the warming of beds, dishes, plates, &c.; likewise for warming and keeping comfortable the feet in carriages, pews of churches, &c.; to hold to him, his exors, administrators, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date hereof. W. H. M. at Westminster, the seventh day of February, in the year above. By writ, &c.

CHASE. 7th Feb. 1786.

1531. A grant unto SAMUEL CHASE, of Luton, in the county of Bedford, surgeon and apothecary, of his new invented medicine, which he calls a stomach drop, it being singularly useful in all complaints in the stomach arising from bile, indigestion, and obstructions in the bowels; to hold to him, his executors, administrators, and assigns, within England, Wales, and town of Berwick-upon-Tweed, for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date hereof. W. H. M. at Westminster, the seventh day of February, in the year above. By writ, &c.

HIGTON. 21st Feb. 1786.

1532. A grant unto PAUL HIGTON, of Shrewsbury, in the county of Salop, flax dresser, of his new invented machine or machines for spinning and roving sheeps and lambs wool for the purpose of making cloth, or any and every other purpose wherein woolen yarn is used, and which may be worked by water, horse, hand, or any other thing that is capable of giving motion to the same; to hold to him, his executors, administrators, and assigns, within England, Wales, and town of Berwick-upon-Tweed, for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date hereof. W. H. M. at Westminster, the twenty-first day of February, in the year above. By writt, &c.

WALKER. 21st Feb. 1786.

1533. A grant unto ADAM WALKER, of the parish of Saint George, Hanover Square, in the county of Middlesex, gentleman, of his new invented empyreal air stove for the purpose of purifying the air of churches, theatres, jails, sick and all other rooms and inclosed buildings; to hold to him, his exors, admors, and assigns, within England, Wales, and town of Berwick-upon-Tweed, for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date hereof. W. H. M. at Westminster, the twenty-first day of February, in the year above. By writt, &c.

DAY. 27th Feb. 1786.

1534. A grant unto FRANCIS DAY, of Tavistock Street, in the parish of Saint Paul, Covent Garden, in the county of Middlesex, hair merchant, of his new invented art of lengthening human and other hair, for the purpose of making tails, braids, and curls, to cover and adorn the human head; and a new method of mounting the same, by means whereof the price of such hair will not only be considerably reduced, but also appear more elegant and ornamental; to hold to him, his executors, administrators, and assigns, within England, Wales, and town of Berwick-upon-Tweed, for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date hereof. W. H. M. at Westminster, the twenty seventh day of February, in the year above. By writt, &c.

ALLEN. 27th Feb. 1786.

1535. A grant unto GEORGE NECKLESON ALLEN, of Poole, in the county of Dorset, ironmonger, of his new invented improvements upon a capstan; to hold to him, his executors, administrators, and assigns, within England, Wales, and town of Berwick-upon-Tweed, for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date hereof. W. H. M. at Westminster, the twenty-seventh day of Febry, in the year above. By writt, &c.

BUTLER.
4th March 1786.

1536. A grant unto JOHN BUTLER, of Caerleon, in the county of Monmouth, esquire, of his new invented method of making bolts and brazier or other rods of or from iron, copper, or brass, or iron shearings for ships, or other purposes, upon a new principle; to hold to him, his executors, administrators, and assigns, within England, Wales, and town of Berwick-upon-Tweed, for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date hereof. W. H. M. at Westminster, the fourth day of March, in the year above.

By writ, &c.

SEYMOUR.
4th March 1786.

1537. A grant unto BENJAMIN SEYMOUR, of Shad Thames, in the county of Surry, ropemaker, of his new invented engine or machine for the more easy, expeditious, and perfect manufactoring of twine, cable, and other cordage; to hold to him, his executors, administrators, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date hereof. W. H. M. at Westminster, the fourth day of March, in the year above. By writ, &c.

THURGOOD.
7th March 1786.

1538. A grant unto RICHARD IRELAND THURGOOD, of the parish of All Hallows, Lombard Street, in the city of London, cutler, of his new invented improvements in the construction of spurrs; to hold to him, his executors, administrators, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date hereof. W. H. M. at Westminster, the seventh day of March, in the year above.

By writt, &c.

CHEESE.
11th March 1786.

1539. A grant unto GRIFFITH JAMES CHEESE, of Manchester, in the county palatine of Lancaster, organist, of his new invented musical instrument, upon an entire new construction, which he calls the grand harmonica, combining the powers of several other instruments, and has the peculiar advantage of always keeping in tune; to hold to him, his executors, administrators, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date hereof. W. H. M. at Westminster, the eleventh day of March, in the year above. By writ, &c.

BUNNETT.
18th March 1786.

1540. A grant unto JACOB BUNNETT, of the parish of S^{t} Mary, Whitechapel, in the county of Middlesex, stationer, of his new invented machine for printing of paper hangings, callico's, cottons, and linens in general, whereby any number of colours may be printed thereon at one and the same time, and whereby ten times as many pieces may be printed in as short a space of time as one piece is now printed by the common method; to hold to him, his executors, admors, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date hereof. W. H. M. at Westminster, the eighteenth day of March, in the year above.

By writ, &c.

ANTLEY.
27th March 1786.

1541. A grant unto JOSEPH ANTLEY, of Birmingham, in the county of Warwick, spurmaker, of his new invented spur upon an entire new principle; to hold to him, his executors, administrators, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date hereof. Witness H. M. at Westminster, the twenty-seventh day of March, in the year above. By writ, &c.

WALKER.
11th April 1786.

1542. A grant unto JOSHUA WALKER, of Saffron Street, in the parish of Saint Andrew, Holborn, in the county of Middlesex, brass founder, of his new invented construction of and improvement in and upon cocks and valves ; to hold to him, his executors, administrators, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within one calendar month from the date hereof. W. H. M. at Westminster, the eleventh day of April, in the year above. By writt, &c.

MEAD.
20th April 1786.

1543. A grant unto THOMAS MEAD, of the town and port of Sandwich, in the county of Kent, carpenter, of his new invented automaton or machine, on a self moving principle, which will acquire any degree of velocity desired, and will also give motion to any machine or machinery to which it can be applied or affixed ; to hold to him, his executors, administrators, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within one calendar month from the date hereof. W. H. M. at Westminster, the twentieth day of April, in the year above. By writ, &c.

PALMER.
3rd May 1786.

1544. A grant unto LANCELOT PALMER, of Little Britain, in the parish of S^t^ Botolph, Aldersgate, brazier, of his new invented tea and coffee urn, upon a new principle; to hold to him, his executors, administrators, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date hereof. W. H. M. at Westminster, the third day of May, in the year above. By writ, &c.

MILLER.
13th May 1786.

1545. A grant unto SAMUEL MILLER, of the parish of S^t^ James's, Westminster, engraver, of his new invented machine for ascertaining the weight of all kinds of goods, wares, merchandizes, and other substances, with much greater precision, and infinitely more expeditious, than by any method hitherto practised; to hold to him, his executors, administrators, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date hereof. W. H. M. at Westminster, the thirteenth day of May, in the year above. By writt, &c.

MOORE.
13th June 1786.

1546. A grant unto FRANCIS MOORE, of Cheapside, London, linen draper, of his new invented coach with two wheels, on a new construction, and new springs, which, by being fixed in a new method, with the addition of new braces, will sustain or carry such coach, or any other coach, chariot, chaise, or other carriage mounted upon two wheels, with greater ease and safety, and may be drawn with fewer horses than usual; to hold to him, his executors, administrators, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inrol the same within one calendar month from the date hereof. Witness His Majesty at Westminster, the thirteenth day of June, in the year above. By writ, &c.

MOORE.
13th June 1786.

1547. A grant unto FRANCIS MOORE, of Cheapside, London, linen draper, of his new invented quadrant or quarter circle, and standard, which by being affixed to doors will, by the help of a line, pullies, and weights, shut the same with more ease and certainty, and with less noise than has been done by any method hitherto made use of; to hold to him, his executors, admors, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date hereof. W. H. M. at Westminster, the thirteenth day of June, in the year above. By writ, &c.

PAGE.
22nd June 1786.

1548. A grant unto JOHN PAGE, of Gough Square, Fleet Street, London, jeweller, of his new invented machine for extracting persons from buildings on fire; also for the more certain and speedy extinguishing of fires, and for facilitating the erection and repairs of buildings, and for other useful purposes; to hold to him, his executors, administrators, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date hereof. W. H. M. at Westminster, the twenty-second day of June, in the year above. By writ, &c.

CHESTON.
1st July 1786.

1549. A grant unto THOMAS CHESTON, of Birmingham, in the county of Warwick, plater, of his new invented method of making elastic spring buckles and spurs, in gold, silver, iron, steel, copper, pinchbeck, or other mixed metals, and also in iron, steel, copper, and other metals or mixed metals to be plated with gold and silver; to hold to him, his executors, administrators, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date hereof. W. H. M. at Westminster, the first day of July, in the year above. By writ, &c.

STRICKLAND.
4th July 1786.

1550. A grant unto EDWARD STRICKLAND, of Birming, in the county of Warwick, mechanick, of his new invented machine to prevent fire and housebreaking, and which may be applied to different purposes, which will be found of never-failing utility for the protection of lives and property; to hold to him, his exors, admors, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date hereof. W. H. M. at Westminster, the fourth day of July, in the year above. By writ, &c.

KERR.
3rd August 1786.

1551. A grant unto WILLIAM KERR, of the King's Meuse, Charing Cross, bitmaker, of his new invented method of intermixing and infusing certain metallic substances into the body and pores of all sorts of iron and steel and other metals, which prevents the pernicious effects of air and moisture on those bodies, by effectually securing them from rust or corrosion, and which will consequently prove of great utility, not only to the navy and ordnance, but also to all trades and manufactures where those materials are made use of; to hold to him, his executors, administrators, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date hereof. W. H. M. at Westminster, the third day of August, in the year above. By writ, &c.

SKIDMORE.
5th August 1786.

1552. A grant unto JOHN SKIDMORE, of Coppice Row, in the parish of Saint James, Clerkenwell, in the county of Middlesex, stove gratemaker, of his new invented method of ornamenting all manner of stove grates, stove fronts, fenders, shovels, tongs, pokers, chimney pieces, chimney pannels, the inside of houses and ships, all sorts of japan wares, all kinds of cabinets and furniture, the outside of coaches and other carriages, and all sorts of china and earthenware, with foil, stones, Bristol stones, paste, and all sorts of pinched glass, sapped glass, and every other stone, glass, and composition used in or applicable to the jewellery trade; to hold to him, his executors, admors, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date hereof. Witness H. M. at Westminster, the fifth day of August, in the year above. By writ, &c.

ASHTON.
5th August 1786.

1553. A grant unto JOSEPH ASHTON, of Bordesley, in the parish of Aston, near Birmingham, in the county of Warwick, ironfounder, of his new invented method of making and casting buttons and button shanks; to hold to him, his executors, administrators, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date hereof. W. H. M. at Westminster, the fifth day of August, in the year above. By writ, &c.

TICKELL.
5th August 1786.

1554. A grant unto WILLIAM TICKELL, of the parish of Walcot, in the city of Bath, apothecary, of his new invented chemical medicine, which he calls spiritus æthercus anodynus, or anodyne æthereal spirit; to hold to him, his executors, administrators, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date hereof. Witness His Majesty at Westminster, the fifth day of August, in the year above. By writ, &c.

DUDLEY.
5th August 1786.

1555. A grant unto WILLIAM DUDLEY, of the parish of Saint James, Westminster, in the county of Middlesex, whitesmith, of his new invented buckle chape or fastening for men and womens shoes, and a new constructed spring-jointed plate, on which may be fixed any kind of rim, ornament, or device; to hold to him, his executors, administrators, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date hereof. W. H. M. at Westminster, the fifth day of August, in the year above. By writ, &c.

LINGHAM.
21st August 1786.

1556. A grant unto GEORGE LINGHAM the younger, of the parish of Saint Swithins, in the city of Worcester, glover, of his new method of manufacturing gloves without side seams, and in sewing or setting on the tops, and in other particulars; to hold to him, his exors, admors, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date hereof. W. H. M. at Westminster, the twenty-first day of August, in the year above. By writ, &c.

ROBATHAN.
25th August 1786.

1557. A grant unto THOMAS ROBATHAN, of Walsall, in the county of Stafford, bridle bit maker, of his new invented bridle bits, snafles, and bradoons for horses and other cattle; to hold to him, his executors, administrators, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date hereof. W. H. M. at Westminster, the twenty-fifth day of August, in the year above. By writ, &c.

SMITH.
29th Sept. 1786.

1558. A grant unto THOMAS SMITH, of Farnham, in the county of Surrey, sadler, of his new invented methods of applying springs to saddles, sterrups, martingal rings, whips, caps, buckles for belts, bridle bits, territs for harness, squares for stable collar, reins, trusses or bandages for ruptures, and milking pails; to hold to him, his executors, administrators, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date hereof. W. H. M. at Westminister, the twenty-ninth day of September, in the year above. By writ, &c.

REEDER.
6th October 1786.

1559. A grant unto JOHN REEDER, of the island of Jamaica, esq^r^, of his new apparatus for clarifying cane liquor and drawing of the syrup, instead of lading it, for the purpose of making muscovado sugar in the British colonies; to hold to him, his ex̃ors, adm̃ors, & assigns, within England, Wales, and town of Berwick-upon-Tweed, and also within the colonies and plantations abroad, for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date hereof. W. H. M. at Westminster, the sixth day of October, in the year above. By writ, &c.

BEALE.
6th Oct. 1786.

1560. A grant unto JOHN BEALE, of the City Road, in the county of Middlesex, umbrella maker, of his new invented umbrella with joints, flat springs and stops, worm springs and bolts, slip bolts, screws, slip rivet and cross stop, and square slips; to hold to him, his ex̃ors, adm̃ors, & ass^s^, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within one calendar month from the date hereof. W. H. M. at Westminster, the sixth day of October, in the year above. By writ, &c.

MEARES.
10th October 1786.

1561. A grant unto ROBERT MEARES, of Froome, in the county of Somerset, dyer, of his new invented swivel and socket for the perches of four wheeled carriages, which will prevent their being overturned and make them run easy; to hold to him, his ex̃ors, adm̃ors, & ass^s^, within England, Wales, & town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date hereof. W. H. M. at Westminster, the tenth day of October, in the year above. By writ, &c.

SIMPSON.
10th Oct. 1786.

1562. A grant unto THOMAS SIMPSON, of the town and county of Newcastle-upon-Tyne, merchant, of his new composition called British smalts or powder blue; to hold to him, his ex̃ors, adm̃ors, and assigns, within England, Wales, & town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date hereof. W. H. M. at Westminster, the tenth day of October, in the year above. By writ, &c.

WINTER.
18th Oct. 1786.

1563. A grant unto GEORGE WINTER, of Charlton, near Bristol, in the county of Gloucester, gentleman, of his new invented machine for the purpose of depositing or drilling the seed of every species of vegetables in a manner entirely new, and more expeditious and regular than heretofore known, and which requires a lesser quantity of seed to produce a large crop than is necessary by the common mode of casting, whereby a considerable saving will be effected; and that the machine possesses the peculiar quality of being regulated with ease so as to increase or decrease the quantity of seed sown at the discretion of the seedsmen; to hold to him, his ex̃ors, adm̃ors, and ass^s^, within England, Wales, & town of Berwick-upon-Tweed, for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date hereof. W. H. M. at Westminster, the eighteenth day of October, in the year above. By writ, &c.

ROYDS.
18th Oct. 1786.

1564. A grant unto JOHN ROYDS, of Falinge, in the parish of Rochdale, in the county of Lancaster, merchant, of his new invented engines or machines for the purpose of roving, slubbling, and spinning of woollen, worsted, and linen yarn in a manner not heretofore used or practised; to hold to him, his ex̃ors, adm̃ors, & ass^s^, within England, Wales, & town of Berwick-upon-Tweed, and also within the colonies and plantations abroad, for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date hereof. W. H. M. at Westminster, the 18^th^ day of October, in the year above. By writ, &c.

CARTWRIGHT. 30th Oct. 1786.

1565. A grant unto EDMUND CARTWRIGHT, of Doncaster, in the county of York, master of arts, of his new invented machine for weaving; to hold to him, his exors, admors, & ass^{s}, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within one calendar month from the date hereof. W. H. M. at Westminster, the 30th day of October, in the year above.

By writ, &^{c}.

THOMPSON. 30th Oct. 1786.

1566. A grant unto JOHN THOMPSON, of his new medicine which he calls "baume d' arquebusade concentre," or concentrated balsam of arquebusade, which is one of the greatest antiseptic chymical preparations and the most sovereign remedy externally in the cure of fractures, dislocations, &^{c}, gunshot and all kinds of wounds; and internally, in the jaundice and all bilious complaints, the dropsy, gravel, and worms; to hold to him, his exors, admors, & ass^{s}, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within one calendar month from the date hereof. W. H. M. at Westminster, the thirtieth day of October, in the year above.

By writ, &^{c}.

TAYLOR. 30th Oct. 1786.

1567. A grant unto WALTER TAYLOR, of the town and county of Southampton, block maker, of his new improvement in the construction of machines for grinding grain of all kinds, and also starch for hair powder, as well as all other matters where stones are now used; also for coating or bushing and greasing of shivers and pulleys of all kinds: to hold to him, his exors, admors, & ass^{s}, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 y^{rs} pursuant to the statute; with a clause to inroll the same within one calendar month from the date hereof. W. H. M. at Westminster, the thirtieth day of October, in the year above. By writ, &^{c}.

ROGERS. 7th Nov. 1786.

1568. A grant unto THOMAS ROGERS, of the parish of Saint Mary-le-Strand, in the liberty of Westminster and county of Middlesex, glass cutter, of his new invented method of ornamenting chimney pieces, looking glasses, picture frames, and all other kind of furniture with carved or moulded glass in relief, plain or coloured, and may be applied to many other useful and ornamental purposes; to hold to him, his exors, admors, & assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date hereof. W. H. M. at Westminster, the seventh day of November, in the year above. By writ, &^{c}.

PHIPPS. 7th Nov. 1786.

1569. A grant unto ROBERT PHIPPS, of Milk Street, Cheapside, London, weaver, of his new invented method of manufacturing silk and mohair, either separately or jointly with other materials, which have never before been combined or manufactured together; to hold to him, his executors, administrators, and assigns, within England, Wales, & town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at Westminster, the seventh day of November, in the year above.

By writ, &^{c}.

GATWARD. 9th Nov. 1786.

1570. A grant unto JOSEPH GATWARD, of the city of Bristol, clock and watchmaker, of his new invented drawing tube spring lock pillar for umbrellas, upon a principle of much more useful construction than ever before known or used in this kingdom; to hold to him, his exors, admors, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the

term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date hereof. Witness His Majesty at Westminster, the ninth day of November, in the year above. By writ, &c.

GEIB. 9th Nov. 1786.

1571. A grant unto JOHN GEIB, of the Old Bailey, in the city of London, musical instrument maker, of his new improvement upon the musical instruments called the piano forte and harpsichord, by which the same will become perfect and compleat instruments of their kind, which hath never before been discovered, and by which the same can be more easily tuned and played upon; and that such improvement extends to each of such instruments equally alike; to hold to him, his exors, admors, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date hereof. W. H. M. at Westminster, the ninth day of November, in the year above. By writ, &c.

CLAY. 9th Nov. 1786.

1572. A grant unto HENRY CLAY, of Birmingham, in the county of Warwick, japanner, of his new invented method of manufacturing buttons of dyed materials not before used for that purpose, which will be much more useful and ornamental than any now in use; to hold to him, his exors, admors, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date hereof hereof. W. H. M. at Westminster, the ninth day of November, in the year above. By writ, &c.

MCCARTHY. 11th Nov. 1786.

1573. A grant unto DENIS MCCARTHY, of Charing Cross, in the parish of St Martin-in-the-Fields, in the county of Middlesex, esquire, of his new invented compound for covering of houses and other purposes; to hold to him, his executors, admors, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date hereof. W. H. M. at Westminster, the eleventh day of November, in the year above. By writ, &c.

BESANT. 29th Nov. 1786.

1574. A grant unto JOHN BESANT, of London, engineer, of his improvement upon wheel'd carriages, by means of which they are less liable to overturn, will follow with less draught, go down hill without distressing the horses, and have a less friction in the axletree than any now in use; to hold to him, his executors, administrators, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date hereof. W. H. M. at Westminster, the twenty-ninth day of November, in the year above. By writ, &c.

HENRY. 9th Dec. 1786.

1575. A grant unto SOLOMON HENRY, of Stockwell Green, in the county of Surrey, gentleman, of his new invented instrument to stamp or mark with, which may be composed of various colours, so as not to be counterfeited or forged, for the better securing the property of His Majesty's subjects from imposition; to hold to him, his exors, admors, & ass^{s}, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within one calendar month from the date hereof. W. H. M. at Westminster, the ninth day of December, in the year above. By writ, &c.

WESTWOOD. 14th Dec. 1786.

1576. A grant unto OBADIAH WESTWOOD, of Birmingham, in the county of Warwick, buttonmaker, of his new invented method of making or manufacturing tea and other trays, waiters, card pans, caddies, dressing boxes,

bottle stands, ink stands ; coat, breast, vest, sleeve, and other buttons ; frames for pictures, looking glasses, and other things ; mouldings, cornices, and ornaments for rooms, ceilings, chimney pieces, doors, pannels, and various other purposes ; to hold to him, his exors, admors, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within one calendar month from the date hereof. W. H. M. at Westminster, the fourteenth day of December, in the year above. By writt, &c.

GOTTLIEB. 19th Dec. 1786.

1577. A grant unto VALLENTINE GOTTLIEB, of the parish of St Botolph Aldgate, hairdresser, of his new invented crane on an entire new construction, in which, by increasing the power, labour is diminished, and will perform its operations in a much more expeditious and less dangerous manner than any hitherto used ; to hold to him, his executors, administrators, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within one calendar month from the date hereof. Witness H. M. at Westminster, the nineteenth day of December, in the year above.. By writ, &c.

HENDERSON. 19th Dec. 1786.

1578. A grant unto THOMAS HENDERSON, of the city of York, stucco plasterer, of his new invention by which every visible object may be drawn and taken to any size, on true mathematical principles, with great accuracy and facility ; to hold to him, his executors, admors, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within one calendar month from the date hereof. W. H. M. at Westminster, the nineteenth day of December, in the year above. By writ, &c.

CAIRNCROSS. 19th Dec. 1786.

1579. A grant unto WILLIAM CAIRNCROSS, of Greek Street, Soho, in the county of Middlesex, cabinet maker, of his new invented method of securing and rendering strong and permanent the tenants or joints between the legs and rails of chairs and tables, &c, in cabinet work, by means of screws made of iron, brass, or any other metal or mixed metals, and internally applied without being seen or discoverable on the outside of any work wherein or whereunto the said method is applicable ; to hold to him, his exors, admors, & ass^{s}, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute ; with a clause to inroll the same within one calendar month from the date hereof. Witness H. M. at Westminster, the nineteenth day of Dec^{r}, in the year above. By writ, &c.

GARNETT. 6th Jan. 1787.

1580. A grant unto JOHN GARNETT, of Redland, in the county of Gloucester, merchant, of his new invented method of greatly reducing the friction of an axis or fulcrum, useful for all axles, wheeles, beams, levers, pendulums, blocks, pullies, and other instruments that have a partial, total, or repeated revolution or oscillation ; to hold to him, his exors, admors, & ass^{s}, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute ; with a clause to inroll the same within two kalendar month from the date hereof. W. H. M. at Westminster, the sixth day of January, in the year of our Lord 1787. By writ, &c.

FISHWICK. 15th Jan. 1787.

1581. A grant unto RICHARD FISHWICK, of Elswick, in the parish of Newcastle-upon-Tyne, in the county of Northumberland, of his new method of making white lead ; to hold to him, his exors, admors, & ass^{s}, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute ; with a clause to inroll the same within one calendar month from the date hereof. W. H. M. at Westminster, the 15th day of January, in the year above. By writ, &c.

RABONE. 15th Jan. 1787.

1582. A grant unto JOSEPH RABONE, of Birmingham, in the county of Warwick, button maker, of his new method of making and manufacturing of coat and waistcoat buttons, of black or any other colour or mixture of colours, both plain & figured, out of or from bone and ivory; to hold to him, his exors, admors, & ass^{s}, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within one calendar month from the date hereof. W. H. M. at Westminster, the 15th day of January, in the year above. By writ, &^{c}.

THOMPSON. 15th Jan. 1787.

1583. A grant unto WARDHAUGH THOMPSON, of Clipstone Street, in the parish of Saint Mary-le-Bone, in the county of Middlesex, gentleman, of his new invented machine or instrument for the more easy & expeditious tuning of harpsicords, piano fortes, spinnetts, organs, guitars, and various other musical instruments; to hold to him, his exors, admors, & ass^{s}, within England, Wales, & town of Berwick-upon-Tweed, for the term of 14 years, pursuant to the statute; with a clause to inroll the same within one calendar month from the date hereof. W. H. M. at Westminster, the 15th day of January, in the year above. By writ, &^{c}.

WHITEHOUSE. 23rd Jan. 1787.

1584. A grant unto ISAAC WHITEHOUSE, of Birmingham, in the county of Warwick, toymaker, of his new invented plates and dishes for table service, and plates and dishes as substitutes for water plates and dishes, and plates as substitutes for warming or bed pans; to hold to him, his executors, administrators, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within one calendar month from the date hereof. W. H. M. at Westminster, the twenty-third day of January, in the year above. By writ, &^{c}.

KEIR. 29th Jan. 1787.

1585. A grant unto PETER KEIR, of Edinburgh, in Scotland, mathematical instrument maker, of his new invented method of raising the supply of oil in lamps; to hold to him, his exors, admors, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date hereof. W. H. M. at Westminster, the twenty-ninth day of January, in the year above. By writ, &^{c}.

HICKMAN. 1st Feb. 1787.

1586. A grant unto ROBERT HICKMAN, of the parish of Edgbaston, in the county of Warwick, buttonmaker, of his new invented art of making and manufacturing gilt and plated coat and waiscoat buttons, by uniting or amalgamating with or by means of tin, or tin and lead mixed, gilt and plated metal button shells, both coloured, plain, and figured, with bottoms of copper, brass, iron, mixed and compound metals; to hold to him, his executors, administrators, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar months from the date hereof. W. H. M. at Westminster, the first day of February, in the year above. By writ, &^{c}.

DONALDSON. 1st Feb. 1787.

1587. A grant unto JOHN DONALDSON, of the city of Edinburgh, esq^{r}, of his new invented luminators, or a new kind of lights, being an improvement on all sorts of candles except dipped tallow, and is also an improvement in flambeauxs, and on candle moulds, sockets, stands, and other appurtenances necessary for the making and using of luminators, by which he apprehends a greater degree of light will be given with less smoke than by those candles & flambeauxs now in use, and be more ornamental & elegant; to hold to him, his exors, admors, & ass^{s}, within England, Wales, & town of Berwick-

upon-Tweed for the term of 14 years pursuant to the statute ; with a clause to inroll the same within one calendar month from the date hereof. W. H. M. at Westminster, the 1st day of Febr̃y, in the year above. By writ, &c.

HEAME. 1st Feb. 1787.

1588. A grant unto BENJAMIN HEAME, of the borough of Penryn, in the county of Cornwall, esqr, of his new invented machine, to be worked by the wind, for the purpose of drawing water, coals, tin, lead, copper, and other materials from mines ; also for stamping of ores, and for the uses of griest or any other mills, the sails or vanes of which are so constructed as to contract or expand, in proportion to the force of wind required, by means of weights, springs, ropes, pullies, balances, balance wheels, and other contrivances, which so regulate its motion that the machine cannot be injured by any force of wind, however sudden or violent ; to hold to him, his ex̃ors, adm̃ors, & assⁿ, within England, Wales, & town of Berwick-upon-Tweed, and also in His Majestys colonies and plantations abroad, for the term of 14 years pursuant to the statute ; with a clause to inroll the same within one calendar month from the date hereof. W. H. M. at Westminster, the 1st day of Febr̃y, 1787. By writ, &c.

TATE. 1st Feb. 1787.

1589. A grant unto JAMES TATE, of Mill Street, near Conduit Street, in the parish of Saint George, Hanover Square, in the county of Middlesex, ironmonger, of his new invented fire grate, and utensils for cooking, boiling, and warming all sorts of fluids, upon an improved principle, and whereby much fuel will be saved ; to hold to him, his ex̃ors, adm̃ors, & assⁿ, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute ; with a clause to inroll the same within one calendar month from the date hereof. W. H. M. at Westminster, the 1st day of Febr̃y, in the year above. By writ, &c.

REINECKE. 3rd Feb. 1787.

1590. A grant unto JOHN REINECKE, of Little Bell Alley, Coleman Street, in the city of London, gentleman, of his new invented machine, which he calls the British boiler, to be used in all household purposes where boiling is required, and is particularly applicable and beneficial to all trades and manufactures where boiling, washing, distilling, or evaporating, and in all mills and works where the power of steam is made use of, and upon all occasions where any liquid, sand, or substance is required to be heated, as it will be a most material and considerable saving in the article of fuel of all kinds, and will perform its several operations in a more expeditious manner than by the modes hitherto practised ; to hold to him, his ex̃ors, adm̃ors, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute ; with a clause to inroll the same within one calendar month from the date hereof. W. H. M. at Westminster, the third day of February, in the year above. By writ, &c.

MILES. 12th Feb. 1787.

1591. A grant unto JOHN MILES, of Birmingham, in the county of Warwick, gentleman, of his new invented lamps, in different forms, and of any kind of metal or metalic substances, to be used without inconvenience on horses, carriages, breasts of men, or any body under motion, so as to give perfect light, though ever so much agitated ; or to be used in halls or stair cases, tables, desks, or for other purposes where motion is not required ; to hold to him, his executors, administrators, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute ; with a clause to inroll the same within one calendar month from the date hereof. W. H. M. at Westminster, the twelfth day of February, in the year above. By writ, &c.

GOTTLIEB. 1st March 1787.

1592. A grant unto VALLENTINE GOTTLIEB, in the parish of Saint Botolph, Aldgate, perfumer, of his new improvement in the construction of wheels and axletrees, which is calculated to decrease the friction, and consequently to diminish the labour, in all sorts of carriages, and may be applied to machinery of other kinds where wheels and axles are made use of; to hold to him, his exors, admors, & asss, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to ye statute; with a clause to inroll the same within one calendar month from the date hereof. W. H. M. at Westminster, ye first day of March, in the year above. By writ, &c.

HEATON. 10th March 1787.

1593. A grant unto RICHARD HEATON, of Chevet, in ye county of York, farmer, of his new invented drill harrow, which sows and harrows at ye same time, and which is on an entire new construction, for the sowing of all kinds of grain, turnip, rape seed, &c, and any quantity of any kind of seeds, with ye greatest regularity upon an acre, and ye rows at any distance, from six to thirty-six inches; it soweth without bruising ye seed, or any difference in ye quantity of seed, either up hill or down; and as ye quality of land frequently differs in ye same close, the person that holds ye machine may vary it at pleasure, to suit the land, as he crosses or goes up or down ye close, without standing to alter it; it soweth ridged lands of any size with ye same propriety & expedition as level; it also makes drills in any kind of lay or strong land; it soweth brined and limed wheat and long oats with as great propriety as other corn; it soweth hand tillage (that is, rape dust, pigeon dung, &c, if required,) either in ye drill with ye corn, or on each side, or both; it marks the place where ye horse is to go, so that the rows stand regular, and ye work may be performed with one horse; to hold to him, his exors, admors, and asss, within England, Wales, & town of Berwick-upon-Tweed for ye term of 14 years pursuant to ye statute; with a clause to inroll ye same within one calendar month from ye date hereof. W. H. M. at Westminster, the tenth day of March, in ye year above. By writ, &c.

ANSELL. 20th March 1787.

1594. A grant unto ROBERT ANSELL, of Vauxhall Walk, in the county of Surry, carver and gilder, of his new invented method of preparing and mixing all sorts of colours for painting, which will obviate all the disagreeable consequences and inconveniences which are produced by the modes hitherto practised; to hold to him, his executors, admors, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within one calendar month from the date hereof. W. H. M. at Westminster, ye twentieth day of March, in the year above. By writ, &c.

HARMAR. 20th March 1787.

1595. A grant unto JOHN HARMAR, of Sheffield, in the county of York, clerk, of his new invented machine for raising a shag on all sorts of woollen cloths, and cropping or shearing them, which together come under the description of dressing woollen cloths; and also for cropping or shearing fustians; to hold to him, his exors, admors, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date hereof. Witness His Majesty at Westminster the twentieth day of March, in the year above. By writ, &c.

LANDRETH. 31st March 1787.

1596. A grant unto JOHN LANDRETH, of Tabernacle Walk, near Old Street, in the county of Middlesex, musical instrument maker, on his new improvement upon the several musical instruments called the piano forte, harpsichord, organ, and guitar, and upon various other musical instruments, by which the same can be more easily kept in order and played upon, and by which the same

will become perfect and compleat instruments of their kind, which hath never before been discovered; to hold to him, his exors, admors, & asss, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute ; with a clause to inroll the same within one calendar month from the date hereof. W. H. M. at Westminster, the thirty-first day of March, in the year above. By writ, &c.

SMEATON. 4th April 1787.

1597. A grant unto JOHN SMEATON, of Gray's Inn, in the county of Middlesex, civil engineer, of his new invented machine, to be used in the extracting of oil from seeds, and by which that operation may be performed in a more beneficial manner than hitherto practised ; to hold to him, his exors, admors, or assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within one calendar month from the date hereof. W. H. M. at Westminster, the fourth day of April, in the year above. By writ, &c.

NOCK. 25th April 1787.

1598. A grant unto HENRY NOCK, of Ludgate Street, in the parish of Saint Martin, Ludgate, in the city of London, gunmaker, of his new invented breeching, applicable to all kinds of guns and other fire arms, whereby the powder is fired off in the centre and much quicker, and the charge thrown considerably stronger, and the guns and other fire arms will continue to fire much longer without cleaning than by any other method heretofore constructed or used ; to hold to him, his exors, admors, & asss, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute ; with a clause to inroll the same within one calendar month from the date hereof. Witness His Majesty at Westminster, the 25th day of April, in ye year above. By writ, &c.

BRODIE. 8th May 1787.

1599. A grant unto ALEXANDER BRODIE, of Carey Street, in the liberty of the Rolls and county of Middlesex, smith and iron founder, of his invented method of making iron tier for all sorts of wheel carriages, whereby the wheels will be much strengthened and rendered more durable than by any iron tier heretofore made or now in use for wheel carriages, and whereby the highways and roads will be greatly preserved, and also meadow and other lands and grounds saved from rutting or being cut by the wheels of such carriages, and whereby also the horses and other cattle drawing such carriages will be eased of their draught, and the wheels greatly prevented from throwing up of dirt and soil against the carriages ; to hold to him, his exors, admors, & asss, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute ; with a clause to inroll the same within one calendar month from the date hereof. W. H. M. at Westmr, the 8th day of May, in the year above. By writ, &c.

BASTER. 8th May 1787.

1600. A grant unto JOHN BASTER, of Great Suffolk Street, Charing Cross, in the county of Middlesex, breeches maker, of his new invented additional cloathing or wearing apparel, to be occasionally worn by men, which forms a protection to the breeches and (if the wearer shall please) to the upper part of the stockings against rains, damps, and wet, and particularly useful to all persons travelling on horseback, and tending to preserve the wearer from catching cold; to hold to him, his exors, admors, & asss, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute ; with a clause to inroll the same within one calendar month from the date hereof. W. H. M. at Westminster, the eighth day of May, in the year above. By writ, &c.

STOREY. 10th May 1787.

1601. A grant unto JAMES STOREY, of the Low Lights, in the parish of Tynemouth, in the county of Northumberland, esquire, of his new invented machine for drawing and raising of water out of mines, and for other purposes; to hold him, his exors, admors, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within one calendar month from the date hereof. W. H. M. at Westminster, the tenth day of May, in the year above. By writ, &c.

GEORGE. 12th May 1787.

1602. A grant unto WATKIN GEORGE, of Preston, in the county of Somerset, millwright, of his new method for destroying of friction in all wheel carriages, capstans, and windlasses, and all axis of all kind of water mills and wind mills, either horizontal, perpendicular, or oblique; to hold to him, his exors, admors, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date hereof. W. H. M. at Westminster, the twelfth day of May, in the year above. By writ, &c.

COOPER. 15th May 1787.

1603. A grant unto JAMES COOPER, of Poplar, in the county of Middlesex, engineer, of his new method for more effectually applying water or any fluid to turn mills or machines of any kind; to hold to him, his exors, admors, and ass^{s}, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within one calendar month from the date hereof. W. H. M. at Westminster, the 15th day of May, in the year above. By writ, &c.

STEDMAN. 19th May 1787.

1604. A grant unto WILLIAM STEDMAN, of Carey Street, in the parish of S^{t} Clement Danes, in the county of Middlesex, perfumer, of his new invented philosophical fire alarms, to be applied to houses and other buildings; to hold to him, his exors, admors, & ass^{s}, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within one calendar month from the date hereof. W. H. M. at Westm^{r}, the 19th day of May, in the year above. By writ, &c.

TODD. 19th May 1787.

1605. A grant unto THOMAS TODD, of Fleet Street, London, organ builder, of his new invented machine for washing and ironing of linen, &c; to hold to him, his exors, admors, & ass^{s}, within Eng^{d}, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to y^{e} statute; with a clause to inroll y^{e} same within one calendar month from y^{e} date hereof. W. H. M. at West^{r}, the 19th day of May, in y^{e} year above. By writ, &c.

SANDYS. 19th May 1787.

1606. A grant unto THOMAS SANDYS, of the city of Bristol, lace and fringe manufacturer, of his new invented machine for throwing and organzining of silk, and for throwing and twisting of worsted, mohair, thread, cotton, hemp, flax, and gold and silver cords; to hold to him, his exors, admors, & ass^{s}, within Eng^{d}, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within one calendar month from the date hereof. W. H. M. at West^{r}, the 19th day of May, in the year above. By writ, &c.

WALTON. 25th May 1787.

1607. A grant unto HUMPHREY WALTON, of the parish of Saint Pancras, in the county of Middlesex, musical instrument maker, of his new improvements on the musical instrument called the piano forte, and other instruments, which he believes will render them more compleat and perfect than any now in use; to hold to him, his exors, admors, & ass^{s}, within England, Wales, &

town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within one calendar month from the date hereof. W. H. M. at Westminster, the 25th day of May, in the year above. By writ, &c.

PURNELL. 5th June 1787.

1608. A grant unto WILLIAM PURNELL, of Dursley, in the county of Gloucester, ironmaster, of his new mode, method, or art of preparing, shingling and welding iron with pit coal from the ore, as also from sow or pig metal, and every other sort of cast iron, entirely by the application of a machine so constructed and applied as to render it of a superior quality, and in much greater quantities, and with a very considerable less expence of fuel and waste of metal than hath hitherto been done by any method yet used; to hold to him, his exors, admors, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within one calendar month from the date hereof. W. H. M. at Westr, the fifth day of June, in the year above. By writ, &c.

WYATT. 5th June 1787.

1609. A grant unto JOHN WYATT, of Essex Street, in the parish of Saint Clement Danes and county of Middlesex, gentleman, of his new invented powder, to be used on all occasions where the mixture of oil or oily substances with acetous or watery liquors is required; to hold to him, his exors, admors, & asss, within Engd, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within one calendar month from the date hereof. W. H. M. at Westr, the 5th day of June, in the year above. By writ, &c.

SYMINGTON. 5th June 1787.

1610. A grant unto WILLIAM SYMINGTON, of Wanlockhead, in the parish of Sanquahar and county of Dumfries, North Britain, of his new invented steam engine on principles entirely new; to hold to him, his exors, admors, & asss, within Engd, Wales, and town of Berwick-upon-Tweed for ye term of 14 years pursuant to the statute; with a clause to inroll the same within one calendar month from ye date hereof. W. H. M. at Westr, the 5th day of June, in the year above. By writ, &c.

WALKER. 12th June 1787.

1611. A grant unto JAMES WALKER, of the town and port of Dover, in the county of Kent, brewer, of his new invented machine for the more effectually working and mashing of malt and such other articles as are worked or mashed by brewers, distillers, and others of similar trades in tubs or vessels usually called mash tuns, the principals whereof are applicable to many other useful purposes, all of which may be accomplished with one horse to greater perfection than by eight people, and that it may be so constructed as to be perfectly used by one man only with equal effect; to hold to him, his exors, admors, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within one calendar month from the date hereof. W. H. M. at Westminster, the twelfth day of June, in the year above. By writ, &c.

BARKER. 19th June 1787.

1612. A grant unto ROBERT BARKER, of the city of Edinburgh, portrait painter, of his new invented apparatus, which he calls La nature a coup dœil, for the purpose of displaying views of nature at large, by oil painting, fresco, water colours, crayons, or any other mode of printing or drawing; to hold to him, his exors, admors, & asss, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within one calendar month from the date hereof. W. H. M. at Westmr, the 19th day of June, in the year above. By writ, &c.

KENDREW. PORTHOUSE. 19th June 1787.

1613. A grant unto JOHN KENDREW, of Darlington, in the county of Durham, optic glass grinder, and THOMAS PORTHOUSE, of the same place, clockmaker, of their new invented mill or machine for spinning yarn from hemp, tow, flax, or wool; to hold to them, their exors, admors, & ass^{s}, within Eng^{d}, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within one calendar month from the date hereof. Witness His Majesty at West^{r}, the 19th day of June, in the year above. By writ, &^{c}.

WRIGHT. 3rd July 1787.

1614. A grant unto JOHN WRIGHT, of Thurnscoe, in the county of York, farmer, of his new invented drill plough, for the purpose of sowing all kinds of pulse, grain, and seeds, in such a manner as will save expense in the cultivation of land, and at the same time in the manuring thereof; to hold to him, his exors, admors, & ass^{s}, within Eng^{d}, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within one calendar month from the date hereof. W. H. M. at Westm^{r}, the third of July, in the year above. By writ, &^{c}.

BAYLY. 20th July 1787.

1615. A grant unto the Reverend Doctor ANSELM BAYLY, of Middle Scotland Yard, in the parish of Saint Martin-in-the-Fields in the county of Middlesex, of his new elastic girdles, bandages, or rollers, the most useful and convenient to prevent and relieve ruptures, fractures, sprains, and swellings of every kind; to hold to him, his exors, admors, & ass^{s}, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within one calendar month from the date hereof. W. H. M. at West^{r}, the twentieth day of July, in the year above. By writ.

CARTWRIGHT. 1st Aug. 1787.

1616. A grant unto EDMUND CARTWRIGHT, master of arts, of Doncaster, in the county of York, of his new improvements on a machine for weaving, formerly invented by himself, which will render the same more perfect, and be of great public utility; to hold to him, his executors, administrators, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date hereof. W. H. M. at Westminster, the first day of August, in the year above. By writ, &^{c}.

MAXWELL. 1st Aug. 1787.

1617. A grant unto STEPHEN MAXWELL, of the city of Glasgow, coppersmith, of his new constructed worm for distillation, with a reservoir at the top thereof for receiving the steam that is raised from the still; to hold to him, his executors, administrators, and assigns, within England, Wales, and town of Berwick upon-Tweed, and also in His Majesty's colonies and plantations abroad, for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date hereof. W. H. M. at Westminster, the first day of August, in the year above. By writ, &^{c}.

DAVIS. 11th Aug. 1787.

1618. A grant unto JOHN DAVIS, of Long Acre, coachmaker, of his new invented method of hanging coaches, vis-a-vis's, and other bodies, so that in case the carriage should be overturned the body will remain upright and free from the ground; to hold to him, his executors, admors, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date hereof. W. H. M. at Westminster, the 11th day of August, in the year above. By writ, &^{c}.

COOPER.
11th Aug. 1787.

1619. A grant unto WILLIAM COOPER, late of Shieffield, in the county of York, tallow chandler, at present residing in the city of London, of his new invented machine for cleaning, spreading, twisting, and cutting cotton, and making wicks for candles; to hold to him, his executors, administrators, and assigns, within England, Wales, and town of Berwick-upon Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date hereof. W. H. M. at Westminster, the eleventh day of August, in the year above.

By writ, &c.

MICHELL.
28th Aug. 1787.

1620. A grant unto THOMAS MICHELL, writer, of Perth, in North Britain, of his new invented method of raising water and other fluids, for the purpose of driving mills and other machines and watering lands; also for draining lands and pumping or clearing water from ships, and for extinguishing fires in houses, and other useful purposes; to hold to him, his exors, admors, & ass^{s}, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inrol the same within one calendar month from the date hereof. Witness His Majesty at West^{r}, the twenty-eighth day of August, 1787. By writ, &c.

ROSE.
17th Sept. 1787.

1621. A grant unto JOHN ROSE, of Birmingham, in the county of Warwick, button maker, of his new method of preparing steel and ornamenting the same, in the several articles of steel buttons, buckles, sword hilts, toys, and other steel work; to hold to him, his exors, admors, & ass^{s}, within Eng^{d}, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within one calendar month from y^{e} date hereof. W. H. M. at West^{r}, the seventeenth day of September, in the y^{e} year above. By writ, &c.

HOOPER.
17th Sept. 1787.

1622. A grant unto SAMUEL HOOPER, of the parish of S^{t} Giles-in-y^{e}-Fields, bookseller & stationer, of his new method of making or manufacturing printing paper, particularly for copper plate printing; to hold to him, his exors, admors, & assigns, within England, Wales, & town of Berwick-upon-Tweed for y^{e} term of 14 years pursuant to the statute; with a clause to inroll the same within one calendar month from the date hereof. W. H. M. at West^{r}, the 17th day of September, in the year above. By writ, &c.

SHANKSTER.
6th October 1787.

1623. A grant unto JOHN SHANKSTER, of Great Pulteney Street, in the parish of S^{t} James's, Westminster, in the county of Middlesex, oval turner, of his new invented method of hanging of coaches, chariots, phætons, calashes, giggs, chaises, and other carriages, whereby the lives and limbs of His Majesty's subjects to be conveyed therein and thereby are rendered more safe and secure than in or by any other carriage heretofore made, built, and hung for the carriage or conveyance of persons travelling and otherwise conveyed thereby; to hold to him, his exors, admors, and ass^{s}, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inrol the same within one calendar month from the date hereof. Witness His Majesty at Westminster, the sixth day of October 1787. By writ, &c.

ALSTON.
30th Oct. 1787.

1624. A grant unto JAMES ALSTON, of Birmingham, in the county of Warwick, button maker, of his new manner of making buttons of iron or steel, covered with tin and other metal or tin alone; to hold to him, his exors, admors, and ass^{s}, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within one calendar month from the date hereof. W. H. M. at Westminster, the 30th day of October, in the year above. By writ, &c.

BLUNT.
30th Oct. 1787.

1625. A grant unto RICHARD TILLYER BLUNT, of Berner Street, in the parish of Saint Mary-le-Bone, in the county of Middlesex, malt distiller, of his new method of making yeast for the purpose of making bread therewith, and other purposes of fermentation; to hold to him, his exors, admors, & ass^{s}, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at Westminster, the 30th day of October, in the year above. By writ, &^{c}.

COLLINGE.
2nd Nov. 1787.

1626. A grant unto JOHN COLLINGE, of Bridge Road, in the parish of Saint Mary, Lambeth, in the county of Surrey, cabinet maker, of his new construction and improvement, in and upon carriage and other wheel boxes and axletrees, which will be more durable and less liable to be out of order than any now in use; to hold to him, his exors, admors, & ass^{s}, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at Westminster, the second day of November, in the year above. By writ, &^{c}.

STOKES.
6th Nov. 1787.

1627. A grant unto THOMAS HERVEY STOKES, of Holywell Row, Shoreditch, in the county of Middlesex, turner of metals, of his new and peculiar art or method of raising oil in lamps to supply the wick; to hold to him, his exors, admors, and ass, within England, Wales, and town of Berwick-upon-Tweed, for the term of 14 years pursuant to the statute; with a clause to inroll the same within one calendar month from the date hereof. W. H. M. at West^{r}, the sixth day of November, in the year above. By writ, &^{c}.

MEAD.
15th Nov. 1787.

1628. A grant unto THOMAS MEAD, of the town and port of Sandwich, of his new invented improvements on windmills, consisting of a regulator, on a new principle, for the better and more regular furling and unfurling the sails when at work, without the constant attendance of a man; and for grinding corn and other grain and dressing of flour and meal superior in quality than those produced by the mills now in use; to hold to him, his exors, admors, & ass^{s}, within Eng^{d}, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within one calendar month from the date hereof. W. H. M. at West^{r}, the 15th Nov^{r}, in the year above. By writ, &^{c}.

WATTS.
22nd Nov. 1787.

1629. A grant unto NATHANIEL WATTS, of Stroud, in the county of Gloucester, clothier, of his new method of dying, in boiling liquors, woollen cloth, or such articles as are composed chiefly of woollen, in various devices representing foliages, scrolls, lines, and any other adapted forms, and this in pieces of sufficient size for the fore parts of a waistcoat or vest, viz^{t}, from eight to sixteen nails long, and from five to ten broad, which is effected by means of certain frames and moulds made of hard metals; to hold to him, his exors, admors, and assigns, within Eng^{d}, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at West^{r}, the 22^{d} day of November, in the year above. By writ, &^{c}.

PICKERING.
22nd Nov. 1787.

1630. A grant unto JOHN PICKERING, of his new invented machine or engine called the detector or pocket-spring, for preventing the pocket being picked, and which will be of universal benefit & advantage, by preserving the lives of many and the properties of all; to hold to him, his exors, admors, & ass^{s}, within Eng^{d}, Wales, and town of Berwick-upon-Tweed for y^{e} term of 14 years pursuant to the statute; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at West^{r}, the 22^{d} day of November, in the year above. By writ, &^{c}.

BRYANT.
30th Nov. 1787.

1631. A grant unto THOMAS BARBER BRYANT, of Great Yarmouth, in the county of Norfolk, and of Dunbar, in the county of East Lothian, in Scotland, sail cloth and rope maker, of his improvement in pumps and pumping, whereby the effect and benefit of pumps will be greatly increased and extended; to hold to him, his exors, admors, & ass^{s}, within Eng^{d}, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. the West^{r}, the 30th of Nov^{r}, in the year above. By writ, &^{c}.

DURAND.
5th Dec. 1787.

1632. A grant unto JOHN NICHOLAS DURAND, of Grocers Hall Court, in the Poultry, in the city of London, merchant, of a new invented spirituous liquor prover, and of certain tables and calculations thereunto belonging, by means of which the true strength, &^{c}, of all spirituous liquors will be more correctly and positively ascertained than by any other instrument hitherto known; to hold to him, his exors, admors, & ass^{s}, within England, Wales, and town of Berwick-upon-Tweed, and also in His Majesty's colonies and plantations abroad, for the term of 14 years pursuant to the statute; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at West^{r}, the 5th of Dec^{r}, in the year above. By writ, &^{c}.

MATHER.
FARRAND.
5th Dec. 1787.

1633. A grant unto HENRY MATHER and ROGER FARRAND, of Manchester, in the county palatine of Lancaster, cotton manufacturers, of their new invented method of gilding upon and ornamenting with leaf gold and leaf silver, and with yellow leaf metal and white leaf metal, commonly called Dutch leaf metal, all kind of cotton goods of British manufactury, and British goods manufactured with linen and cotton, and also British goods manufactured with cotton and woollen, and also all kind of woollen goods of British manufactory, and British goods manufactured with linen and woollen; to hold to them, their executors, administrators, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years; with a clause to inroll the same within one calendar month from the date hereof. W. H. M. at Westminster, the fifth day of December, in the year above.

By writt, &^{c}.

BRYANT.
20th Dec. 1787.

1634. A grant unto THOMAS BARBER BRYANT, of Great Yarmouth, in the county of Norfolk, and of Dunbar, in the county of East Lothian, in Scotland, sail cloth and rope maker, of his new invention of improving the oil of whales; to hold to him, his executors, administrators, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of fourteen years; with a clause to inroll the same within one calendar month from the date hereof. W. H. M. at Westminster, the twentieth day of December, in the year above. By writ.

HOHMANN.
15th Jan. 1788.

1635. A grant unto JOHN GEORGE HOHMANN, of Rotherham, in the county of York, statuary, for his new invented machine for making marbles for children from various sorts of marble and other substances; to hold to him, his exors, admors, and ass^{s}, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within one calendar month from the date hereof. W. H. M. at Westminster, the fifteenth day of January, in the year of our Lord 1788.

By writ, &^{c}.

ANGELL.
15th Jan. 1788.

1636. A grant unto JAMES ANGELL, of Walworth, in the county of Surrey, whitesmith, of his method of constructing, hanging, and fixing bells, night bolts, and door-latches in dwelling houses and other places, with wheels and chains in lieu and instead of cranks, that will be more beneficial to the public and free from the defects that attend the hanging of bells, night bells, or

door-latches by the crank now in use ; to hold to him, his exors, admors, & asss, within Engd, Wales, and town of Berwick-upon-Tweed, and also in His Majesty's colonies and plantations abroad, for the term of 14 years pursuant to the statute ; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at Westr, the 15th day of Jañry, in the year above. By writ, &c.

Bury. 15th Jan. 1788.

1637. A grant unto Samuel Bury, of Bishopgate Street, London, of his improvements on the organs, piano forte, and other musical instruments, as likewise the conveyance of music or voice to a distant place ; to hold to him, his exors, admors, & asss, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute ; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at Westr, the 15th day of Jañry, in the year above. By writ, &c.

Harvey. 19th Jan. 1788.

1638. A grant unto Edmund Harvey, of Islington, in the county of Middlesex, bed tick manufacturer, of his new invented species of bed ticking, made of materials never before used for that purpose, and which he conceives will be of great public utility, as it is much more durable than any hitherto used, and has the peculiar advantage of preventing the feathers or dust from penetrating or escaping through it ; to hold to him, his executors, administrators, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within one calendar month from the date hereof. W. H. M. at Westminster, the nineteenth day of January, in the year above. By writ, &c.

Waring. 5th Feb. 1788.

1639. A grant unto Thomas Waring, of Leicester House, in the parish of Saint Anns, Soho, in the county of Middlesex, gent., of his new invented machines for and improvements in the manufacturing of long bows, for giving greater elasticity to the same, and for ascertaining the strength thereof ; to hold to him, his exors, admors, & asss, within Engd, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute ; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at Westr, the 5th day of Febrij, in the year above. By writ, &c.

Fourness. Ashworth. 4th March 1788.

1640. A grant unto Robert Fourness, of Elland, in the parish of Halifax and county of York, gentleman, and James Ashworth, of the same place, gentleman, of their new invented machine for the working and towing of ships, sloops, barges, and all other vessells upon the water in an easy and expeditious manner ; to hold to them, their exors, admors, & asss, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to ye statute ; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at Westr, the 4th March, in the year above. By writ, &c.

Ker. 4th March 1788.

1641. A grant unto William Ker, of Kerfield, in the county of Tweedale, in that part of Great Britain called Scotland, of his new improvement in brewing of ale, beer, porter, and other malt liquors, whereby a very great saving is made in the consumption of hops, and liquor is produced of a superior flavour & quality, less subject to become acid or putrid, and more fit for exportation to warm climates, than any malt liquor hitherto made ; to hold to him, his exors, admors, & asss, within Engd, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute ; with a clause to inroll the same within one calendar month from the date hereof. W. H. M. the 4th day of March, in the year above. By writ, &c.

GARDNER.
4th March 1788.

1642. A grant unto ROBERT GARDNER, of the city of London, ironmaster, of his new method of manufacturing iron, copper, & other metals by a new invented progressively multiplying air furnace ; to hold to him, his exors, admors, & ass^{s}, within Eng^{d}, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to y^{e} statute ; with a clause to inrol y^{e} same within one calendar month from y^{e} date hereof. W. H. M. at West^{r}, the 4th day of March, in y^{e} year above. By writ, &^{c}.

HATCHETT.
21st March 1788.

1643. A grant unto JOHN HATCHETT, of Long Acre, in the parish of Saint Martin-in-the-Fields, in the county of Middlesex, coachmaker, of his new invented carriage on a new construction for coaches, chariots, vis-a-vis's, phætons, curricles, one horse chaises, &^{c}, drawn on wheels, and also sleds without wheels, chiefly used in Russia, Holland, and other countries subject to much ice and snow ; to hold to him, his exors, admors, and ass^{s}, within England, Wales, and town of Berwick-upon-Tweed for y^{e} term of 14 years pursuant to the statute; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at West^{r}, the 21st day of March, in the year above. By writ, &^{c}.

TROUGHTON.
1st April 1788.

1644. A grant unto EDWARD TROUGHTON, of Fleet Street, in the city of London, mathematical instrument maker, of his new method of framing (composed of double parallel flat bars, connected by cocks or pillars,) to be used in the construction of octants, sextants, & quadrants of every denomination, and of all other nautical and astronomical instruments whose limb or limbs is or are formed of a circle or any part of a circle ; to hold to him, his exors, admors, & ass^{s}, within Eng^{d}, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute ; with a clause to inroll the same within one calendar month from the date hereof. W. H. M. at Westm^{r}, the first of April, in the year above. By writ, &^{c}.

MEIKLE.
9th April 1788.

1645. A grant unto ANDREW MEIKLE, of Knows Mill, in the parish of Whitekirk, and county of East Lothian, in North Britain, engineer and machinist, of his new invented mill or machine for separating corn of all kinds from the straw, which machine is capable of being worked either by cattle, wind, water, or any other power ; and the corn is thereby separated from the straw in less time, and in a more effectual manner than by threshing or any other manner ; to hold to him, his exors, admors, & ass^{s}, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute ; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at West^{r}, the 9th day of April, in the year above. By writ, &^{c}.

JOHNSON.
NOBLE.
15th April 1788.

1646. A grant unto WILLIAM JOHNSON and MARK NOBLE, of Torrington Street, Ratcliff Highway, in the county of Middlesex, of their new mode of overcoming resistance in mechanical operations by man or beast ; to hold to him, his exors, admors, & ass^{s}, within Eng^{d}, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westm^{r}, the 15th day of April, in the year above. By writ, &^{c}.

YATES.
22nd April 1788.

1647. A grant unto DAVID YATES the younger, of Manchester, in the county of Lancaster, lining cutter and small ware manufacturer, of his new invented machine for glazing or polishing cottons, linnens, and mixtures, or cloth made either of cotton or linnen, and cloth made of cloth and linnen mixed together; and also all sorts of cloths or stuffs made of cotton and linnen, or either of them, and any other material or materials of any width or breadth to two yards wide or broad, or of a greater breadth or width, by a method never

before in practice; to hold to him, his exors, admors, & asss, within Engld, Wales, & town of Berwick-upon-Tweed, and also in His Majety's colonies and plantations abroad, for the term of 14 years pursuant to the statute; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at Westmr, the 22d day of April, in the year above. By writ, &c.

TENCATE. 5th May 1788.

1648. A grant unto JOHN TENCATE, of his new invented horse pump, calculated to raise from ten to one hundred hogsheads per minute, on the principle of a fulcrum balance, worked by a castor wheel performing a double attraction in the same revolution; to hold to him, his exors, admors, & asss, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westr, the 5th of May, in the year above. By writ, &c.

BEAUMONT. 5th May 1788.

1649. A grant unto JOHN BEAUMONT, of the county of Ayr, manager of the Ayr coal company, of his new invented machine for raising coals and all sorts of minerals from the pit bottom to the surface, drawing water, driving waggons, and working all sorts of mills, without the aid of horses, fire, wind, or water, and for other purposes; to hold to him, his exors, admors, & asss, within England, Wales, and town of Berwick-upon-Tweed, and also in His Majesty's colonies and plantations abroad, for the term of fourteen years pursuant to the statute; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at Westminster, the 5th day of May, in the year above. By writ, &c.

WHITE. 20th May 1788.

1650. A grant unto JAMES WHITE, of his new improvements in mechanic motion, applied to and tending to ameliorate all kinds of clocks and time-pieces, jacks for roasting, cranes for raising heavy weights, and other purposes, the acting part of which machines have their effect through the same principles; to hold to him, his exors, admors, & asss, within Engld, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inrol within one calendar month from the date hereof. W. H. M. at Westr, the 20th day of May, in the year above. By writ, &c.

FULTON. 23rd May 1788.

1651. A grant unto WILLIAM FULTON, of Brommuir, near Beath, in the shire of Ayr, in North Britain, manufacturer of thread, of his new method or art of using and working pumps, as well on board of ships as on land, rubbing boards used in bleaching, and all other mechanical machines or engines of similar natures or constructions, by means of a cylinder with its appurtenances, whereby, or by the operation whereof, such pumps, rubbing boards, and other mechanical machines or engines aforesaid can be used and worked with greater facility and better effect, success, and advantages than heretofore; to hold to him, his exors, admors, & asss, within England, Wales, and town of Berwick-upon-Tweed, and also in His Majesty's colonies and plantations abroad, for the term of 14 years pursuant to the statute; with a clause to inroll the same within one calendar month from the date hereof. W. H. M. at Westmr, the 23rd day of May, in the year above. By writ, &c.

DUFOUR. 10th June 1788.

1652. A grant unto WILLIAM DUFOUR, of Cantshill, in the county of Bucks, gentleman, of his new invented machine (which he calls a fire escape), for the preservation of life and property from the dreadful effects of fire; to hold to him, his exors, admors, & assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll within one calendar month from the date hereof. W. H. M. at Westmr, the 10th day of June, in the year above. By writ, &c.

BLAIKIE. 11th June 1788.

1653. A grant unto FRANCIS BLAIKIE, of Glasgow, in the kingdom of Scotland, merchant, of his new art or invention of preparing an ingredient to be used as a substitute for gum in thickening of colours for printing ; to hold to him, his executors, admors, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute ; with a clause to inroll the same within one calendar month from the date hereof. W. H. M. at Westmr, the eleventh day of June, in the year above. By writ, &c.

TYLEE. 30th June 1788.

1654. A grant unto JAMES TYLEE, of the parish of Saint Mary-le-Bone, in the county of Midx, shoemaker, of his new invented shoe, slipper, and buckle to be affixed thereto and worn therewith, on a new construction, which will sit neater and easier than any hitherto discovered ; to hold to him, his exors, admors, & asss, within Engd, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute ; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at Westr, the 30th day of June, in the year above. By writ, &c.

STEDMAN. 30th June 1788.

1655. A grant unto JOHN STEDMAN, of the parish of Saint Ann's, Soho, in the county of Midx, jeweller, of his new invented buckle chape or fastening, for men and women's shoes ; to hold to him, his exors, admors, & asss, within England, Wales, & town of Berwick-upon-Tweed, for the term of 14 years pursuant to the statute ; with a clause to inroll the same within one calendar month from the date hereof. W. H. M. at Westr, the 30th day of June, in the year above. By writ, &c.

NAYLOR. 30th June 1788.

1656. A grant unto JOHN NAYLOR, of Hampton, in the county of Midx, millwright, of his new invented oven for baking bread and all kinds of victuals, that will perform its office of baking, either placed upon or hung over a kitchen or other fire, like a common pot, or placed on one side of such fire, or may be used separate and apart by itself, and may be turned round while the bread or other victuals contained in it for baking remain in a fixed position, by which means that side of the oven that is made hot, by being next the fire, may be turned to the top of the things baking, or to any other direction most wanted, and which he calls a rotative oven ; to hold to him, his exors, admors, & asss, within Engd, Wales, & town of Berwick-upon-Tweed, and also in His Majesty's colonies & plantations abroad, for ye term of 14 years pursuant to ye statute ; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at Westr, the 30th day of June, in the year above. By writ, &c.

SANDILANDS. 30th June 1788.

1657. A grant unto the Hoñble ROBERT SANDILANDS, of his new invented machine, called a sward cutter, by means of which old grass grounds may be sooner brought into tillage than by any other instrument hitherto contrived ; to hold to him, his exors, admors, & asss, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute ; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at Westminster, the 30th day of June, in the year above. By writ, &c.

YATES. 8th July 1788.

1658. A grant unto JAMES YATES, of Bordsley, in the parish of Aston, near Birmingham, in the county of Warwick, brass founder, of his new invented method of multiplying engravings or chasings on all kinds of metals, particularly applicable for the engravings or chasings on the ornaments of coaches & coach harness, and many other purposes where engravings or chasings are required ; to hold to him, his exors, admors, & asss, within Engd, Wales, & town of Berwick-upon-Tweed for the term of 14 years

pursuant to the statute; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at Westmr, the 8th day of July, in the year above. By writ, &c.

Cooke. 12th August 1788.

1659. A grant unto James Cooke, of Ardwicke, in the county palatine of Lancaster, clerk, of his several improvements on a machine, formerly invented by him, for ploughing and drilling land, and therein planting or sowing all sorts of grain, pulse, and seeds, mixed with or without pulverized manure, and harrowing the same; which improvements will render the said machine more perfect, and may also be used for horsehoeing, and other purposes; to hold to him, his exors, admors, & asss, within Engd, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at Westminster, the 12th day of Augt, in the year above. By writ, &c.

Curr. 12th August 1788.

1660. A grant unto John Curr, of the parish of Sheffield, in the county of York, gentleman, of his new invented method of drawing or raising coals, lead, tin, or any other minerals out of mines, by which the danger and damage frequently occasioned by the ascending and descending corves running foul of each other in their meetings, and heating the sides of the pit or shaft, are prevented, and by which, one, two, or more corves are drawn or raised at the same time; and also of landingor delivering of the corves upon the banks or top of the pit, by means of a platform upon wheels or carriage running over the pit top, done chiefly without the assistance of the banksmen; and also of making the corves overturn themselves, in order to discharge their burthen without assistance; to hold to him, his exors, admors, & asss, within Engd, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at Westr, the 12th day of August, in the year above. By writ, &c.

Birnie. 12th August 1788.

1661. A grant unto Samuel Birnie, of the city of Glasgow, refiner of lead, of his new invented method of preparing and restoring the calx of lead, after being used in extracting the mineral alkali from common salt, back into pig lead, by an easier and less expensive process than any hitherto known, by which means a very great quantity of mineral alkali may be extracted in this country, to advantage, from common salt; to hold to him, his exors, admors, & asss, within Engd, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at Westr, the 12th day of August, in the year above. By writ, &c.

Ducrest. 12th August 1788.

1662. A grant unto Charles Lewis Ducrest, of Jermyn Street, in the parish of Saint James's, Westminster, in the county of Middlesex, of his new invented method of making paper for the building of houses, bridges, ships, boats, and for all sorts of wheel carriages, sedan chairs, chairs, tables, book cases, either entirely of paper, or wood and iron covered with paper; to hold to him, his exors, admors, & asss, within Engd, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at Westr, the 12th day of August, in the year above. By writ, &c.

McCulloch. 12th August 1788.

1663. A grant unto Kenneth McCulloch, of the Minories, within the liberty of the Tower of London, of his new invented mariners compass, on a new construction; to hold to him, his exors, admors, & asss, within Engd,

Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at Westr, the 12th day of Augt, in the year above. By writ, &c.

CLAGGET. 15th August 1788.

1664. A grant unto CHARLES CLAGGET, of Long Acre, music master, of his new methods of constructing and tuning musical instruments, which will be more perfect in their kind and much easier to be performed on than any hitherto discovered; to hold to him, his exors, admors, & asss, within Engd, Wales, & town of Berwick-upon-Tweed for the term of 14 yrs pursuant to the statute; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at Westr, the 15th of Augt, in the year above. By writ, &c.

JUKES. 15th August 1788.

1665. A grant unto JOSEPH JUKES, of Birmingham, in the county of Warwick, plater, of his new constructed fastening for shoes, boots, kneebands, and other purposes, to be used instead of buckles; to hold to him, his exors, admors, & assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at Westr, the 15th day of August, in the year above. By writ, &c.

HANSCOMBE. 15th August 1788.

1666. A grant unto WILLIAM HANSCOMBE, of his new invented machine, on a mathematical principle, for roasting a great number of joints of meat, turkeys, geese, fowls, ducks, &c, both horizontally and vertically at the same time, or horizontally and vertically separately, to the weight of one hundred pounds and upwards, by which means many joints of meat, fowles, &c, may be roasted and ready all at one time, or progressively one after another, as wanted; which said machine will be of great utility for any nobleman or gentlemen's kitchen, where there is a large family, or for large taverns, inns, or large ships of war, India ships, &c, when in harbour, or when fresh provisions are used; to hold to him, his exors, admors, & asss, within Engd, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within one calendar month from the date hereof. W. H. M. at Westr, the 15th day of Augt, in the year above. By writ, &c.

PAINE. 26th August 1788.

1667. A grant unto THOMAS PAINE, of his invented method of constructing of arches, vaulted roofs, and cielings, either in iron or wood, on principles new and different to anything hitherto practiced, by means of which construction arches, vaulted roofs, and cielings may be erected to the extent of several hundred feet beyond what can be performed in the present practice of architecture; to hold to him, his exors, admors, & asss, within Engd, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at Westr, the 26th day of August, in the year above. By writ, &c.

COOK. 26th August 1788.

1668. A grant unto HENRY COOK, of Russells Buildings, in the parish of Saint George, Wapping, in the county of Middlesex, sponge maker, of his new invented elastic spunge, for spunging great guns and other fire arms, which is not liable to be damaged by water or vermin, and will last considerably longer than any spunge heretofore constructed or used; to hold to him, his exors, admors, & asss, within Engd, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within one calendar month from the date hereof. W. H. M. at Westr, the twenty-sixth day of August, in the year above. By writ, &c.

ISHERWOOD. 12th Sept. 1788.

1669. A grant unto JOHN ISHERWOOD, of Farr House, in the township of Gundleton and county of York, of his new invented mode of locking or bridling the wheel or wheels of all kinds of carts or carriages whatsoever, (but particularly carts or carriages with two wheels only,) which effectually prevents any additional weight from laying upon the back of the horse or horses in the shafts when going down a hill of the quickest descent, and which is superior to any method hitherto used or known ; to hold to him, his exors, admors & ass^{s}, within Eng^{d}, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at West^{r}, the twelfth day of September, in the year above. By writ, &c.

HOLLAND. 22nd Sept. 1788.

1670. A grant unto GEORGE HOLLAND, of Broad Street, in the parish of Saint George, Bloomsbury, in the county of Midx, frame-work knitter, of his new invented method of making stockings, gloves, mitts, socks, caps, coats, waistcoats, breeches, cloaks, and other cloathing, and linings for the same, for persons afflicted with the gout, rheumatism, or other complaints requiring warmth, and for common use in cold climates, and of making false or downy calves in stockings, a thing never before put in practice ; to hold to him, his exors, admors, & ass^{s}, within Eng^{d}, Wales, & town of Berwick-upon-Tweed for the term of 14 y^{rs} pursuant to the statute ; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at West^{r}, the 22^{d} day of Sept^{r}, in the year above. By writ, &c.

HOWE. 6th Oct. 1788.

1671. A grant unto THOMAS HOWE, of the city of Bath, chymist and druggist, of his new discovered medicine for the cure of consumptions, asthmas, coughs, and other disorders, which he calls Howes pectoral lozenges of horehound ; to hold to him, his exors, admors, & ass^{s}, within Eng^{d}, Wales, & town of Berwick-upon-Tweed for the term of 14 y^{rs} pursuant to the statute; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at West^{r}, the 6th of Oct^{r}, in the year above. By writ, &c.

HELE. 29th Oct. 1788.

1672. A grant unto WILLIAM HELE, of Kingsbridge, in the county of Devon, of his new invented drill machine, for sowing grain or any kind of seeds ; to hold to him, his exors, admors, & ass^{s}, within Eng^{d}, Wales, and town of Berwick-upon-Tweed for the term of 14 y^{rs} pursuant to the statute; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at West^{r}, the 29th day of October, in the year above. By writ, &c.

RUMSEY. 6th Nov. 1788.

1673. A grant unto JAMES RUMSEY, of his new invented methods of constructing boilers for distillation, and other objects, and for steam engines for various purposes ; to hold to him, his exors, admors, & ass^{s}, within Eng^{d}, Wales, & town of Berwick-upon-Tweed, and also in His Majesty's colonies & plantations abroad, for the term of 14 y^{rs} pursuant to the statute ; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at West^{r}, the 6th day of November, in the year above. By writ, &c.

FOURNESS. ASHWORTH. 6th Nov. 1788.

1674. A grant unto ROBERT FOURNESS, of Elland, in y^{e} parish of Halifax & county of York, gentleman, and JAMES ASHWORTH, of the same place, gentleman, of their new invented steam or fire engine, comprizing three or any greater plurality of cylinders, with the appendages thereto ; to hold to them, their exors, admors, & ass^{s}, within Eng^{d}, Wales, & town of

Berwick-upon-Tweed for the term of 14 yrs pursuant to the statute; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at Westr, the 6th day of Novr, in the year above.
By writ, &c.

CLARK. 8th Nov. 1788.

1675. A grant unto THOMAS CLARK the younger, of Leeds, in the county of York, merchant, of his new invented machine or engine for weaving cotton, worsted, flax, hemp, or any species of yarns into callicoes, cloths, buntings, and any other articles of any fabrick whatsoever; to hold to him, his exors, admors, & assigns, within Engd, Wales, and town of Berwick-upon-Tweed for the term of 14 yrs pursuant to the statute; with a clause to inroll the same within one calendar month from the date hereof. W. H. M. at Westr, the 8th day of November, in the year above. By writ, &c.

CARTWRIGHT. 13th Nov. 1788.

1676. A grant unto EDMUND CARTWRIGHT, of Doncaster, in the county of York, master of arts, of certain additional improvements on his machine for weaving, for which he hath obtained His Majesty's Letters Patent, which additional improvements will render the same more perfect; to hold to him, his exors, admors, & ass^{s}, within Engd, Wales, & town of Berwick upon-Tweed, for the term of 14 yrs pursuant to the statute; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at Westr, the 13th day of Novr, in the year above. By writ, &c.

BONEUIL. 11th March 1789.

1677. A grant unto ANTHONY BOURBOULONDE BONEUIL, of Liverpool, in the county palatine of Lancaster, gentleman, of an apparatus on a new construction, and certain new invented processes, for the purpose of making fossil alkali, by which the many obstacles and inconveniences attending the methods hitherto used are remedied, and whereby that very useful and important article is obtained of a quality equal to that extracted from the best barilla, which will be of the greatest consequence and advantage to the several manufactories carried on in this kingdom; to hold to him, his exors, admors, & ass^{s}, within England, Wales, & town of Berwick-upon-Tweed and also in His Majesty's colonies and plantations abroad, for the term of 14 yrs pursuan to the statute; with a clause to inrol the same within 3 calendar months fromt the date hereof. W. H. M. at Westr, the eleventh day of March, in the year 1789. By writ, &c.

BONEUIL. 25th March 1789.

1678. A grant unto ANTHONY BOURBOULONDE BONEUIL, of Liverpool, in the county palatine of Lancaster, gent., of his new invented apparatus and processes for the purpose of practising, in a manner entirely new, a chymical mode of whitening every vegetable substance, such as hemp, flax, cotton, wax, and other articles & goods manufactured of the same, in so very extensive and expeditious a manner as to be of the greatest utility and advantage to those trades and manufactories who deal in or use the above articles, and unaccompanied by the inconveniences which have attended other methods and processes heretofore made use of; to hold to him, his exors, admors, & ass^{s}, within Engd, Wales, & town of Berwick-upon-Tweed, and also in His Majesty's colonies and plantations abroad, for the term of 14 yrs pursuant to the statute; with a clause to inrol the same within three calendar months from the date hereof. W. H. M. at Westr, the 25th day of March, in the year above. By writ, &c.

HANDS. 2nd May 1789.

1679. A grant unto SAMUEL HANDS, of his new invented method of making spring shoe buckles, more useful and convenient than the buckles now in use; to hold to him, his exors, admors, & ass^{s}, within Engd, Wales, & town of Berwick-upon-Tweed for the term of 14 yrs pursuant to the statute; with a clause to inroll the same within one calendar month from the date hereof. W. H. M. at Westr, the 2d day of May, in the year above. By writ, &c.

SMITH. 9th May 1789.

1680. A grant unto CHARLES SMITH, of Northampton, lace manufacturer, of his new invented machine for the making of thread used in the manufacturing of bone lace, commonly called Mechlin, long, dozen, and bell; to hold to him, his exors, admors, & asss, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at Westminster, the ninth day of May, in the year above. By writ, &c.

WHITE. 12th May 1789.

1681. A grant unto WILLIAM WHITE, of Garlick Hill, in the city of London, tallow chandler, of his invented machine by which the noxious or foul air may be expelled in a short interval of time from any mines, ship, gaol, hospital, chamber, or other close place, and fresh cool air introduced in its stead, however calm the atmosphere or however warm or sultry the season or climate; to hold to him, his exors, admors, and asss, within Engd, Wales, and town of Berwick-upon-Tweed for the term of 14 yrs pursuant to the statute; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at Westr, the 12th day of May, in the year above. By writ, &c.

ELIN. 28th May 1789.

1682. A grant unto JOHN ELIN, gentleman, of his new invented machinery for cleaning the inside of chimneys; to hold to him, his exors, admors, & asss, within Engd, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at Westr, the 28th day of May, in the year above. By writ, &c.

SHEWARD. 9th June 1789.

1683. A grant unto WILLIAM SHEWARD, of Birmingham, in the county of Warwick, needlemaker, of his new and improved method of finishing, effecting, and completing the eye of a needle, in a way superior to any yet invented, so as to prevent the thread, silk, or other material used with the needle from cutting, breaking, or fraying; to hold to him, his exors, admors, & asss, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at Westr, the 9th day of June, in the year above. By writ, &.

MANNALL. 9th June 1789.

1684. A grant unto JOHN MANNALL, of Colchester, in the county of Essex, joiner & cabinet maker, of his new invented machine or wheel, called a windlass wheel, which, being affixed or placed to an engine or crane for lifting burthens or weights, will lift more ponderous & heavy burthens than any engine or crane for the like purposes ever invented; to hold to him, his exors, admors, & asss, within Engd, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at Westr, the 9th day of June, in ye year above. By writ, &c.

HOWSON. 9th June 1789.

1685. A grant unto MARY HOWSON, of Tottenham High Cross, in the county of Middlesex, widow, (who, in consequence of a communication made to her by her brother, Isaac Lascelles Winn, who resides in the island of Jamaica, is become possessed of a discovery made by him,) of certain universal and perpetual principles of saving fuel in the heating, boiling, or evaporating all kinds of fluids, and certain new invented stills and boilers; to hold to her, her exors, admors, & asss, within Engd, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at Westr, the 9th day of June, in the year above. By writ, &c.

BURGES. 9th June 1789.

1686. A grant unto THOMAS BURGES, of Weymouth Street, Portland Place, in the county of Middlesex, of his new method whereby to produce, upon a new principle, a rotary motion from the action of an alternate movement in any direction, effected by a steam engine or any other machine; to hold to him, his exors, admors, & asss, within Engd, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at Westr, the 9th day of June, in the year above. By writ, &c.

HARTLEY. 9th June 1789.

1687. A grant unto DAVID HARTLEY, of Golden Square, in the city of Westminster, esqr, of his new invented method of tempering all instruments and manufactures of steel; to hold to him, his exors, admors, & asss, within Engd, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at Westr, the 9th day of June, in the year above. By writ, &c.

RIDGE. 20th June 1789.

1688. A grant unto SAMUEL RIDGE, of Hodshrove, in the parish of Falmer, in the county of Sussex, farmer, of his invented drill and hoe plough on a new construction, which he conceives will be more advantageous to agriculture than any hitherto discovered; to hold to him, his exors, admors, & asss, within Engd, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at Westr, the 20th day of June, in the year above. By writ, &c.

CONWAY. 23rd June 1789.

1689. A grant unto the Right Hoñble HENRY SEYMOUR CONWAY, of his new invented method of adapting or conveying the heat arising from the fire of coal employed in coke ovens (by a particular construction of such ovens & flues adjoining thereto or connected therewith,) for the working of steam engines, baking of bread, meat, or other food, calcining and fusing of ores & metals, making of brass and steel, as also for the purpose of warming of rooms, stair cases, or large buildings, heating water for baths, and which is applicable to many other useful purposes & manufactories requiring the assistance of fire or heat, by which means the expense of the coal or other fuel which hath hitherto been necessary for the above operations is entirely or in the greatest part saved; to hold to him, his exors, admors, & assigns, within Engd, Wales, & town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at Westr, the 23d day of June, in the year above. By writ, &c.

FREETH. 2nd July 1789.

1690. A grant unto THOMAS FREETH, of the parish of Saint James, Clerkenwell, and county of Middlesex, bucklemaker, of his new invented chape and fastening for buckles; to hold to him, his exors, admors, & asss, within Engd, Wales, & town of Berwick-upon-Tweed for ye term of 14 years pursuant to the statute; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at Westminster, the second day of July, in the year above. By writ, &c.

TODD 7th July 1789.

1691. A grant unto THOMAS TODD, of Owthorpe, in the county of Nottingham, organ builder, of his invented machine, on a new construction, for the making of screws and nuts, and boxes for screws; to hold to him, his exors, admors, & assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at Westminster, the seventh day of July, in the year above. By writ, &c.

CORNTHWAITE. 7th July 1789.

1692. A grant unto THOMAS CORNTHWAITE, of Kendall, in the county of Westmoreland, whitesmith, of his new invented locks and keys on an entire new construction, much stronger and safer and less liable to be out of repair than any now in use ; to hold to him, his exors, admors, & ass^{s}, within Eng^{d}, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at West^{r}, the 7th day of July, in the year above. By writ, &^{c}.

SHORLAND. 30th July 1789.

1693. A grant unto WILLIAM SHORLAND, of the city of Bristol, esq^{r}, of his new invented regular rotatory motion, to go by a steam engine without any crank or cog wheel, the machinery of which is to be fixed upon new invented gudgeons and brasses ; to hold to him, his exors, admors, & ass^{s}, within Eng^{d}, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute ; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at West^{r}, the 30th day of July, in the year above. By writ, &^{c}.

WILKINSON. 30th July 1789.

1694. A grant unto JOHN WILKINSON, of Broseley, in the county of Salop, ironmaster, of his new improvement in the method of making cannon or any other piece of ordnance made of metal, together with its shot, shell, or arrow, so contrived as to give a more certain direction to the mark intended than any other that has been hitherto in use; to hold to him, his exors, admors, & ass^{s}, within Eng^{d}, Wales, & town of Berwick-upon-Tweed for y^{e} term of 14 years pursuant to the statute; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at West^{r}, the 30th day of July, in the year above. By writ, &^{c}.

BULKELEY. 30th July 1789.

1695. A grant unto JOHN BULKELEY, of the city of Chester, wine merchant, of his new invented ornamental heel case, or outward covering for the heels of shoes, boots, and slippers of women, men, and children, to be made of silver, gold, plated, iron, or other metals, which may be wore either plain or decorated, and will give additional stability and security, as well to the shoes, boots, and slippers, as to the feet of the wearer, without the inconvenience of a ponderous incumberance ; to hold to him, his exors, admors, & ass^{s}, within Eng^{d}, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute ; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at West^{r}, the 30th July, in the year above. By writ, &^{c}.

CARTWRIGHT. 3rd August 1789.

1696. A grant unto EDMUND CARTWRIGHT, of Doncaster, in the county of York, master of arts, of his new invented machinery for the breaking, combing, heckling, preparing, spinning, sizing, dressing, and winding upon the pin, wool, tow, hemp, flax, and cotton ; to hold to him, his exors, admors, & ass^{s}, within Eng^{d}, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at West^{r}, the 3rd day of August, in the year above. By writ, &^{c}.

N.B. Passed by order dated 3^{d} Aug^{t}, 1789.

NORTON. 27th August 1789.

1697. A grant unto JAMES NORTON, of Berner Street, in the parish of Saint Mary-le-Bone, coachmaker, of his new invented box, which he calls the profluvium box, for the purpose of supplying carriage and all other kind of wheels with oil, by which means there is a constant flowing, or flux and reflux ; to hold to him, his exors, admors, & ass^{s}, within Eng^{d}, Wales, and town of Berwick-upon-Tweed for the term ot 14 y^{rs} pursuant to the statute; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at West^{r}, the 27th day of August, in the year above. By writ, &^{c}.

BOORN.
27th August 1789.

1698. A grant unto MOSES BOORN, of Barford, in the parish of Downton, in the county of Wilts, of his new invented machine or engine for sowing all sorts of corn and grain, in drills or rows, which will sow or plant any number of drills or rows from three to thirteen or upwards (according to the width of the machine) at one time, at any distance from each other, at any depth, and with any quantity of corn or grain in each drill or row required or thought necessary; and which machine or engine is adapted to use in all kinds of land and to every possible different mode of cultivation or tillage, and by the use of which much labour and expence in sowing and much seed corn will be saved, as a man, with a machine drawn by two horses only, will sow eight acres of land or upwards in one day, and with much less seed corn than by the common way of broad cast sowing; to hold to him, his exors, admors, and asss, within Engd, Wales, and town of Berwick-upon-Tweed, for the term of 14 yrs pursuant to the statute; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at Westr, the 27th day of August, in the year above. By writ, &c.

McDONALD.
29th August 1789.

1699. A grant unto JAMES McDONALD, of the city of Bristol, breeches maker, of his new invented method of making all kind of breeches on a construction entirely new; to hold to him, his exors, admors, & asss, within Engd, Wales, & town of Berwick-upon-Tweed for ye term of 14 yrs pursuant to the statute; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at Westr, the twenty-ninth day of August, in the year above. By writ, &c.

ELIN.
29th August 1789.

1700. A grant unto JOHN ELIN, of Pimlico, in the parish of Saint George, Hanover Square, in the county of Middlesex, gentleman, of his new invented improvement to shoe buckles; to hold to him, his exors, admors, & asss, within Engd, Wales, & town of Berwick-upon-Tweed for the term 14 yrs pursuant to the statute; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at Westr, the 29th day of August, in the year above. By writ, &c.

WILSON.
29th August 1789.

1701. A grant unto JOHN WILSON, of the town and county of the town of Nottingham, framework knitter, of his new invented method of plating goods made or manufactured on the stocking frame, by an engine or machine to be annexed to a stocking frame for that purpose; to hold to him, his exors, admors, & asss, within Engd, Wales, & town of Berwick-upon-Tweed for ye term of 14 yrs pursuant to ye statute; with a clause to inroll ye same within one calendar from ye date hereof. W. H. M. at Westr, the 29th day of August, in the year above. By writ, &c.

CAMERON.
5th Sept. 1789.

1702. A grant unto ROBERT CAMERON, of Green Dragon Wharf, in the parish of Lambeth, in the county of Surry, engineer, of his new invented improvement on machines for raising coals, ores, & water from mines, and likewise certain new machinery for the use of coal mines; to hold to him, his exors, admors, & asss, within Engd, Wales, & town of Berwick-upon-Tweed for ye term of 14 yrs pursuant to ye statute; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at Westr, the 5th day of September, in the year above. By writ, &c.

HANCOCK.
9th Sept. 1789.

1703. A grant unto JOHN CRANG HANCOCK, of Wych Street, in the parish of Saint Clement Danes, in the county of Middlesex, organ builder, of his new invented machine for cleaning, sifting, and dividing of wheat, barley, oats, rye, beans, and all other sorts of grain, and all kinds of seeds; to hold to him, his exors, admors, & asss, within Engd, Wales, & town of Berwick-upon-Tweed for the term of 14 yrs pursuant to the statute; with a clause to inroll ye same within one calendar month from ye date hereof. W. H. M. at Westr, ye 9th day of Septr, in the year above. By writ, &c.

TAYLOR. COLLINS. 19th Sept. 1789.

1704. A grant unto WALTER TAYLOR, of the town and county of Southampton, blockmaker, and WILLIAM COLLINS, of the parish of Saint Mary, Lambeth, in the county of Surry, engine maker, of their new invented improvement in the construction of pumps, the chambers, pistons, and boxes thereunto belonging, so as to prevent their being choak'd with gravel, sand, and filth on ship board, and for raising water with less power than those now in use; to hold to them, their exors, admors, & ass^{s}, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 y^{rs} pursuant to the statute; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at West^{r}, the 19th day of Sept^{r}, in the year above. By writ, &c.

WHITMORE. 29th Oct. 1789.

1705. A grant unto WILLIAM WHITMORE, of Dudmeston, in the county of Salop, esq^{r}, of his new invention of pumping ships and vessells under way, by means of wheels and other machinery, without manual labor; to hold to him, his exors, admors, & ass^{s}, within England, Wales, & town of Berwick-upon-Tweed, and also within His Majesty's colonies and plantations abroad, for the term of 14 years pursuant to the statute; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at the 29th day of October, in the year above. By writ, &c.

HOOPER. 29th Oct. 1789.

1706. A grant unto STEPHEN HOOPER, of Margate, in the Isle of Thanet, and county of Kent, gentleman, of his new constructed machinery for regulating the power and motion of wind and other mills, as also the process of grinding and dressing therein, and for regulating all other machinery where the first motion is unequal, and which he apprehends may be applicable to several other usefull purposes; to hold to him, his exors, admors, & ass^{s}, within England, Wales, & town of Berwick-upon-Tweed, and also within His Majesty's colonies & plantations abroad, for the term of 14 years pursuant to the statute; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at West^{r}, the twenty-ninth day of October, in the year above. By writ, &c.

TEMPLEMAN. 6th Nov. 1789.

1707. A grant unto JAMES TEMPLEMAN, of Salisbury, in the county of Wilts, gunmaker, of his new invented method of making locks to discharge double barrell guns & pistols by means of one trigger only, without the possibility of discharging both barrels at the same instant, but whereby the one may be discharged either in immediate succession to or at any distant period from the other; to hold to him, his exors, admors, & ass^{s}, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 y^{rs} pursuant to the statute; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at West^{r}, the 6th day of November in the year above. By writ, &c.

HARLOW. 6th Nov. 1789.

1708. A grant unto SAMUEL BOLTON HARLOW, of Ashborne, in the county of Derby, watchmaker, of his new invented method of making watch keys upon a new construction by means of a spring, so as to preserve watches from injury when keys are turned the wrong way; to hold to him, his exors, admors, & ass^{s}, within Eng^{d}, Wales, & town of Berwick-upon-Tweed for y^{e} term of 14 years pursuant to the statute; with a clause to inroll the same within one calendar month from the date hereof. W. H. M. at West^{r}, the 6th day of Nov^{r}, in y^{e} year above. By writ, &c.

HART. 6th Nov. 1789.

1709. A grant unto MOSES HART, of Bermondsey Street, in the borough of Southwark, in the county of Surry, of his new method of manufacturing the sidements, commonly called the bottoms, foots, or flush of whale oil, taken from the bone whale, or the sidements of seal oil, or of any other fish oil, and

extracting, hardening, purifying, & whitening the same, chiefly for the purpose of making candles; to hold to him, his exors, admors, and ass^{s}, within Eng^{d}, Wales, & town of Berwick-upon-Tweed, and also within His Majesty's colonies & plantations abroad, for the term of 14 y^{rs} pursuant to the statute; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at West^{r}, the 6th day of Nov^{r}, in the year above. By writ, &^{c}.

GOUT. 7th Nov. 1789.

1710. A grant unto RALPH GOUT, of the parish of Saint Luke, in the county of Middlesex, watchmaker, of his new invented machinery, for the purpose of measuring distance, and which will not only ascertain, with the greatest precision, the number of miles a person travels, but will also afford security to the passenger in a carriage and preserve the body thereof from injury, in case either of the springs, or any part to which they are attached, should break or give way; to hold to him, his exors, admors, & ass^{s}, within Eng^{d}, Wales, & town of Berwick-upon-Tweed for the term of 14 y^{rs}, pursuant to the statute; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at West^{r}, the 7th day of November, in the year above. By writ, &^{c}.

LYDE. 10th Nov. 1789.

1711. A grant unto GEORGE LYDE, of Rathbone Place, in the parish of Saint Mary-le-Bone, in the county of Middlesex, gentleman, of his new invented coach trumpet; to hold to him, his exors, admors, & ass^{s}, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 y^{rs}, pursuant to the statute; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at West^{r}, the 10th day of November, in the year above. By writ, &^{c}.

GODFRY. 8th Dec. 1789.

1712. A grant unto GEORGE GODFRY, of Tufton Street, in the parish of S^{t} John, Westminster, in the county of Middlesex, organ builder, of his new invented way and method of making and of annexing or joining the tamborine, tabor or drum, and pipe, in or to barrel organs and musical instruments, and of making, constructing, and building such barrel organs and musical instruments for the same, so as to beat and play the said tamborine, tabor or drum, and pipe therewith at pleasure; that the said tamborine, tabor or drum, and pipe, when so annexed or joined in or to such barrel organs and musical instruments, and used, beat, and played therewith, will add greatly to the harmony of the music, and be very useful and assisting in keeping of time in country dances and other dances; to hold to him, his exors, admors, and assigns, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inrol the same within one calendar month from the date hereof. Witness His Majesty at West^{r}, the 8th day of December, in the year above. By writ, &^{c}.

BAYNES. 8th Dec. 1789.

1713. A grant unto JOHN BAYNES, of the precinct of Bridewell, in the city of London, wharfinger, of his new improvement in the construction of soup ladles, tureens, gravy spoons, ladles, and skimmers; to hold to him, his exors, admors, & ass^{s}, within Eng^{d}, Wales, & town of Berwick-upon-Tweed for the term of 14 y^{rs} pursuant to the statute; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at West^{r}, the 8th day of Dec^{r}, in y^{e} year above. By writ, &^{c}.

ROWNTREE. 8th Dec. 1789.

1714. A grant unto THOMAS ROWNTREE, of Surrey Street, in the parish of Christ Church and county of Surrey, engine maker, of his new improvement in the construction of waterclosets, and which may be applicable to other useful purposes; to hold to him, his exors, admors, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of

14 years pursuant to the statute; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at Westr, the 8th of December, in the year above. By writ, &c.

MAXWELL. 8th Dec. 1789.

1715. A grant unto JOHN MAXWELL, of Brook Street, Holborn, in the parish of Saint Andrew, in the county of Middlesex, of a spring fastening for shoe buckles, upon an entire new construction, and upon a different and more convenient plan than any hitherto made use of; to hold to him, his executors, admors, & asss, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within one calendar month from the date hereof. W. H. M. at Westr, the 8th day of Decr, in the year above. By writ, &c.

SAVIGNY. 8th Dec. 1789.

1716. A grant unto JOHN HORATIO SAVIGNY, of Pall Mall, in the parish of Saint James, Westminster, in the county of Middlesex, surgeons instrument maker, of his new invented razor, of an entire new construction, for the shaving the face and head with much greater ease and safety than any other razor or instrument that hath been hitherto found out, invented, or discovered; to hold to him, his exors, admors, and assigns, within England, Wales, and town of Berwick-upon-Tweed, for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date hereof. W. H. M. at Westminster, the eighth day of December, in the year above. By writ, &c.

COATES. 12th Dec. 1789.

1717. A grant unto GEORGE COATES, of Shoe Lane, in the parish of Saint Bride, in the city of London, carpenter, of his new invented machine for washing, scouring, or cleansing linnen, cotton, and woollen cloths, or any other woven or knit fabric; to hold to him, his exors, admors, & asss, within Engd, Wales, & town of Berwick-upon-Tweed, and also within His Majesty's colonies and plantations abroad, for the term of 14 yrs pursuant to the statute; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at Westr, the 12th day of Decr, in the year above. By writ, &c.

DE LOLME. 12th Dec. 1789.

1718. A grant unto JOHN LEWIS DE LOLME, of the parish of Saint Andrew, Holborn, doctor of civil law, of his new invented instrument, of the use and effect hereunder described; to wit, 1st, a vessel which without danger of oversetting can sail faster and keep a truer course in every direction of the wind than other vessels now used at sea can do; 2dly, the vessel can be vered about and brought to opposite tacks with more speed and through a shorter compass than other vessels are able to be; 3, the sail is hung in such a manner, and the upper parts of the vessel are made of such a shape, as farther assist the vessel in fast sailing in difficult directions of the wind; 4thly, the rudder is made to sink deeply into the water, by which the manageableness of the vessel is farther increased, and at the same time the rudder is very solidly fixed; 5thly, by having its body diminished under the water, the vessel affords an easier landing than can be effected with the boats or vessels in use on the sea coasts; to hold to him, his exors, admors, & asss, within Engd, Wales, & town of Berwick-upon-Tweed for the term of 14 yrs pursuant to the statute; with a clause to inrol the same within one calendar from the date hereof. W. H. M. at Westr, the 12th day of Decr, in the year above. By writ, &c.

ANDREWS. 23rd Dec. 1789.

1719. A grant unto JOHN ANDREWS, of Redditch, in the parish of Tardbig, in the county of Worcester, needle and fishhook manufacturer, of his new invented method of making & compleating fishhooks of a superior strength,

colour, and polish to any other fishhooks ; to hold to him, his exors, admors, & ass^{s}, within Eng^{d}, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at West^{r}, the 23^{d} day of December, in the year above. By writ, &^{c}.

BRAMAH. DICKINSON. 15th Jan. 1790.

1720. A grant unto JOSEPH BRAMAH, of Piccadilly, in the county of Middlesex, engine maker, and THOMAS DICKINSON, of Bedworth Close, in the county of Warwick, gentleman, of their sundry improvements on an engine or machine originally invented by the said Joseph Bramah, in which said engine or machine may be employed the power or force of steam, condensed air, descents of water, or any other elastic or gravitating fluid, for the purpose of working mills, pumps, and engines or machines of every sort where inanimate power can or may be properly applied to give them motion, and that their said invention, when a power is applied to the center or axis to give it motion, is a compleat engine or machine for raising, pumping, or forcing in any direction air, water, or any other fluid to any given height or distance ; and that the said machine or engine is constructed on a rotative principle, or, in other words, an engine or machine, the motion of which is performed round a center or axis in a rotative, revolving, or circulating direction; to hold to them, their exors, admors, & ass^{s}, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at West^{r}, the 15th day of January, in the year of our Lord 1790. By writ, &^{c}.

HUNCLASS. 15th Jan. 1790.

1721. A grant unto SAMUEL YOUNG HUNCLASS, of Lambeth Marsh, in the parish of Saint Mary, Lambeth, in the co. of Surry, painter, of his new invented method of making & rendering elastic and water proof all sorts of painted, printed, varnished, or japanned linnen, cotton, woollen cloths, stuff, or silk, or any other material interwoven therewith; to hold to him, his exors, admors, & ass^{s}, within Eng^{d}, Wales, & town of Berwick-upon-Tweed, and also within His Majesty's colonies and plantations abroad, for the term of 14 years pursuant to the statute ; with a clause to inrol the same within one calendar month from the date thereof. W. H. M. at West^{r}, the 15th Jañry, in the year above. By writ, &^{c}.

ROBERTS. 15th Jan. 1790.

1722. A grant unto SAMUEL ROBERTS the younger, of Sheffield, in the county of York, silversmith and plater, of his new invented method of making candlesticks of white metal, plated with silver ; to hold to him, his exors, admors, & ass^{s}, within Eng^{d}, Wales, & town of Berwick-upon-Tweed for the term of 14 y^{rs} pursuant to the statute ; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at West^{r}, the 15th day of Jañry, in the year above. By writ, &^{c}.

HOOPER. 20th Jan. 1790.

1723. A grant unto SAMUEL HOOPER, of the parish of Saint Giles-in-the-Fields, in the county of Middlesex, bookseller & stationer, of his new invented method of manufacturing, from leather, leather cuttings, shavings, or parings of every kind of leather whatsoever, and whit leather, a leather for covering the fronts, backs, sides, and tops of coaches, chariots, post chaises, sedan chairs, & trunks, and for making band, hat, and other boxes, waiter and tea trays, inkstands, ink pots, snuff and tobacco boxes, and other things, mouldings, cornices, ceiling & other ornaments for rooms, and for binding of books, and, with some variation in the process, paper for copper plate printing, brown and white brown paper, & for drawing; to hold to him, his exors, admors, & assigns, within Eng^{d}, Wales, and town of Berwick-upon-Tweed for the

term of 14 yrs pursuant to the statute; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at Westr, ye 20th day of January, in the year above. By writ, &c.

MANN. 20th Jan. 1790.

1724. A grant unto THOMAS MANN, of Bradford, in the county of York, linnen draper and mercer, of an instrument for the purpose of assisting the human body in walking, after the loss of the natural leg by amputation or otherwise, upon principles far superior to any other instrument of the kind, both for use and ornament, being capable of performing all the actions of a natural limb in all its joints, namely, knee, ancle, and toes, as well in walking as in sitting down and rising up, with the greatest ease and safety to the wearer, and of being applied both to above and below the knee in such a manner as not to have the appearance of an artificial limb; to hold to him, his exors, admors, & asss, within Engd, Wales, & town of Berwick-upon-Tweed, and also within His Majesty's colonies and plantations abroad, for the term of 14 years pursuant to the statute; with a clause to inroll the same within one calendar month from the date hereof. W. H. M. at Westr, the 20th day of January, in the year above. By writ, &c.

DRING. 20th Jan. 1790.

1725. A grant unto JOHN DRING, of Gracechurch Street, in the city of London, glassworker and hydrometer maker, of his new improvement on the ball cock, so as to make the same completely useful, which before was subject to many impediments in its service, and liable to be daily out of order, whereby such ball-cocks, by their excellent improved construction, will be of the greatest public utility; to hold to him, his exors, admors, & asss, within Engd, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within one calendar month from the date hereof. W. H. M. at Westr, ye 20th day of Jañry, in the year above. By writ, &c.

LAW. 23rd Jan. 1790.

1726. A grant unto RICHARD LAW, of Birmingham, in the county of Warwick, plater, of his new invented and improved method of making shoe buckles and chapes; to hold to him, his exors, admors, and asss, within Engd, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at Westr, the 23d day of Jañry, in the year above. By writ, &c.

HANDS. 23rd Feb. 1790.

1727. A grant unto SAMUEL HANDS, of Birmingham, in the county of Warwick, buckle maker, of his new invented method of ornamenting all kinds of buckles, straps, coaches, chaises, phaetons, harness, and accoutrements made of leather or paper, used by man or horse; to hold to him, his exors, admors, & asss, within Engd, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at Westr, the 23d day of Febry, in the year above. By writ, &c.

DESORMEAUX. 23rd Feb. 1790.

1728. A grant unto JAMES LEWIS DESORMEAUX, of Spitalfields, in the parish of Christ Church, in the county of Middlesex, silk dyer, of his new invented methods of preventing, wringing, and crushing of unwrought silk in the process of dying; to hold to him, his exors, admors, & asss, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at Westmr, the 23d day of Febry, in the year above. By writ, &c.

CLAY. 23rd Feb. 1790.

1729. A grant unto HENRY CLAY, of Birmingham, in the county of Warwick, japanner, of his new invented method of manufacturing buttons of a material not before used for that purpose; to hold to him, his exors, admors, & asss, within Engd, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at Westr, the 23d day of Febry, in the year above. By writ, &c.

ROWNTREE. 23rd Feb. 1790.

1730. A grant unto THOMAS ROWNTREE, of Surrey Street, in the parish of Christchurch, in the county of Surrey, engine maker, of his new invented improvement in the construction of locks and other fastenings; to hold to him, his exors, admors, & asss, within Engd, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at Westr, the 23d day of Febry, in the year above. By writ, &c.

RIBRIGHT. 2nd March 1790.

1731. A grant unto THOMAS RIBRIGHT, of the Poultry, London, mathematical instrument maker, of his new invented instrument, to serve as an artificial horizon, by means of which the sun's altitude may be taken at sea with a Hadley's quadrant, and the latitude found, when the real horizon is obscured or invisible; to hold to him, his exors, admors, & asss, within Engd, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at Westr, the 2d day of March, in the year above. By writ, &c.

STANHOPE. 13th March 1790.

1732. A grant unto CHARLES Earl STANHOPE, of his new method of constructing ships and vessels, and of moving and conducting them with great velocity, without the help of sails, and also of moving and conducting them against wind, waves, current, or tide, or against the power of them all united; to hold to him, his exors, admors, & asss, within Engd, Wales, & town of Berwick-upon-Tweed, and also within His Majesty's colonies & plantations abroad, for the term of 14 years pursuant to the statute; with a clause to inrol the same within two calendar month from the date hereof. W. H. M. at Westr, the 13th day of March, in the year above. By writ, &c.

WILKINSON. 13th March 1790.

1733. A grant unto JOHN WILKINSON, of the parish of Woodford, in the county of Essex, doctor in physic, of his several improvements on an apparatus, formerly invented by him, for preserving the lives of mariners and others in cases of shipwreck, and in all other situations at sea or elsewhere in which people are in any manner exposed to the danger of drowning; to hold to him, his exors, admors, & asss, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at Westr, the 13th day of March, in the year above. By writ, &c.

TATE. 13th March 1790.

1734. A grant unto JAMES TATE, of [the parish of Saint Mary-le-Bone, in the county of Middlesex, ironmonger, of his machine upon an improved principle for the purpose of raising of ballast, discharging the cargoes of ships, and otherwise assisting in the performance of many useful and laborious works; to hold to him, his exors, admors, & asss, within Engd, Wales, & town of Berwick-upon-Tweed for the term of 14 yrs pursuant to the statute; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at Westmr, the 13th day of March, in the year above. By writ, &c.

WILKINSON. 13th March 1790.

1735. A grant unto JOHN WILKINSON, of Broseley, in the county of Salop, ironmaster, of his new invented method of making lead pipes in a better manner than has been heretofore used, by which such pipes are freed from the imperfections to which they are liable in the present mode; to hold to him, his exors, admors, & ass^{s}, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 y^{rs} pursuant to the statute; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at West^{r}, the 13th day of March, in the year above. By writ, &^{c}.

HOLLAND. 20th March 1790.

1736. A grant unto GEORGE HOLLAND, of the parish of Saint Andrew, Holborn-above-the-Bars, in the county of Middlesex, frame work knitter, of his new sort of manufacture of stockings, gloves, mits, socks, caps, coats, waistcoats, breeches, and other articles of cloathing and linings of cloathing, and other things where warmth is required; and also of blankets, carpets, and tapestry; and in imitation and to answer the purposes of furs and skins of various kinds; to hold to him, his exors, admors, & ass^{s}, within Eng^{d}, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at West^{r}, the 20th day of March, in the year above. By writ, &^{c}.

FREEMANTLE. 24th March 1790.

1737. A grant unto WILLIAM FREEMANTLE, of Aldersgate Street, London, watchmaker, of his new invented improvement on the verticle weight and spring roasting jacks, which render the same less complicated; to hold to him, his exors, admors, & ass^{s}, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 y^{rs} pursuant to the statute; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at Westm^{r}, the 24th day of March, in the year above. By writ, &^{c}.

RUMSEY. 24th March 1790.

1738. A grant unto JAMES RUMSEY, of the parish of Saint Margaret, Westminster, engineer, of his new invented methods of applying the power of water, of air, and of steam, either separately or together, as circumstances may require, to the purposes of milling and giving useful motions or effects to various kinds of machines, and for the advantageous management of shipping and vessels of all descriptions used in or upon water, of all kinds, in various circumstances and situations; to hold to him, his exors, admors, & ass^{s}, within Eng^{d}, Wales, & town of Berwick-upon-Tweed, and also within His Majesty's colonies and plantations abroad, for the term of 14 y^{rs} pursuant to the statute; with a clause to inrol the same within two calendar months from the date hereof. W. H. M. at West^{r}, the 24th day of March, in the year above. By writ, &^{c}.

COLLINS. WYATT. 31st March 1790.

1739. A grant unto WILLIAM COLLINS, of Lambeth, in the county of Surry, engine maker, and CHARLES WYATT, of Birmingham, in the county of Warwick, merchant, of their new invented article of trade and commerce, being an improvement of copper sheets or plates, and brass sheets or plates, by covering and combining them with a metallic or semi metallic substance, which covering will prevent all noxious effects from these metals when used for culinary purposes, or for containing or conveying water, and will also render them more useful to manufacturers; to hold to them, their exors, admors, & ass^{s}, within Eng^{d}, Wales, and town of Berwick-upon-Tweed for the term of 14 y^{rs} pursuant to the statute; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at West^{r}, the 31st day of March, in the year above. By writ, &^{c}.

STUARD. 31st March 1790.

1740. A grant unto JAMES STUARD, of the parish of Saint John, Wapping, in the county of Warwick, of his new invented method of reducing friction to its least degree; to hold to him, his exors, admors, and ass^{s}, within Eng^{d},

Wales, and town of Berwick-upon-Tweed for the term of 14 yrs pursuant to the statute; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at Westr, the 31st day of March, in the year above. By writ, &c.

Tylee. 1st April 1790.

1741. A grant unto James Tylee, of the parish of Saint Pancras, in the county of Middlesex, shoemaker, of his new invented fastenings for shoe, knee, boot, and other buckles; to hold to him, his exors, admors, & asss, within Engd, Wales, & town of Berwick-upon-Tweed for the term of 14 yrs pursuant to the statute; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at Westr, the 1st day of April, in the year above. By writ, &c.

Downer. 13th April 1790.

1742. A grant unto Henry Downer, of Fleet Street, in the city of London, ironmonger, of his new invented spring, for the purpose of shutting a door; to hold to him, his exors, admors, & asss, within Engd, Wales, & town of Berwick-upon-Tweed for the term of 14 yrs pursuant to the statute; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at Westr, the 13th day of April, in the year above. By writ, &c.

Hancock. 13th April 1790.

1743. A grant unto John Crang Hancock, of Wych Street, in the parish of Saint Clement Danes, in the county of Middlesex, organ builder, of his new invented grand pianoforte with a spring key touch, German flute, and harp, which is preferable to any hitherto discovered or made; to hold to him, his exors, admors, & asss, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at Westr, the 13th day of April, in the year above. By writ, &c.

Wood. 21st April 1790.

1744. A grant unto James Wood, of the parish of Saint Mary, Newington, in the county of Surrey, mathematical instrument maker, of his new invented machines for washing and wringing of linen, woollen, wool, cotton, silk, velvet, or any other commodity that requires washing, cleansing, or scouring; to hold to him, his exors, admors, & asss, within Engd, Wales, and town of Berwick-upon-Tweed for the term of 14 yrs pursuant to the statute; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at Westr, the 21st day of April, in the year above. By writ, &c.

Schwiers. Blydesteyn. 21st April 1790.

1745. A grant unto Conradus Schwiers, of Hoxton, in the county of Middlesex, doctor in divinity, and Isaac Blydesteyn, of Harp Lane, Tower Street, merchant, of a self moving principle or perpetual motion; to hold to them, their exors, admors, & asss, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at Westr, the 21st day of April, in the year above. By writ, &c.

Frost. 27th April 1790.

1746. A grant unto James Frost, of the city of Norwich, carpenter, of his new invented and improved methods of constructing, fixing, and arranging window lights and sashes of all descriptions whatsoever; to hold to him, his exors, admors, & asss, within Engd, Wales, & town of Berwick-upon-Tweed for the term of 14 yrs pursuant to the statute; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at Westminster, the 27th day of April, in the year above. By writ, &c.

Cartwright. 27th April 1790.

1747. A grant unto Edmund Cartwright, of Doncaster, in the county of York, clerk, master of arts, of his new invented machinery for dressing,

heckling, combing, and preparing hemp, flax, wool, hair, silk, and cotton; to hold to him, his exors, admors, & ass^{s}, within Eng^{d}, Wales, and town of Berwick-upon-Tweed for the term of 14 yrs pursuant to the statute; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at West^{r}, the 27th day of April, in the year above. By writ, &c.

NICHOLSON. 29th April 1790.

1748. A grant unto WILLIAM NICHOLSON, of New North Street, Red Lyon Square, in the county of Middlesex, gentleman, of his new invented machine or instrument on a new construction for the purpose of printing on paper, linen, cotton, woollen, and other articles in a more neat, cheap, and accurate manner than is effected by the machines now in use; to hold to him, his exors, admors, & ass^{s}, within Eng^{d}, Wales, & town of Berwick-upon-Tweed for the term of 14 yrs pursuant to the statute; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at West^{r}, the 29th day of April, in the year above. By writ, &c.

ROWE. 29th April 1790.

1749. A grant unto JOHN WESTAWAY ROWE, of Green Walk, in the parish of Christ Church, in the county of Surry, carpenter, of his new invented engine to be worked by the power of steam on an intire new construction; to hold to him, his exors, admors, and ass^{s}, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at West^{r}, the 29th day of April, in the year above. By writ, &c.

HAYWOOD. 8th May 1790.

1750. A grant unto JOHN HAYWOOD, of Long Acre, in the parish of Saint Martin-in-the-Fields, in the county of Midx, draftsman and mechanic, of his new invented machine for working mills and engines without the aid of fire, water, or wind, or in aid of all or any of those or any other powers; to hold to him, his exors, admors, & ass^{s}, within Eng^{d}, Wales, and town of Berwick-upon-Tweed, and also within His Majesty's colonies and plantations abroad, for the term of 14 years pursuant to the statute; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at West^{r}, the 8th day of May, in the year above. By writ, &c.

ROBERTS. DIGHT. 11th May 1790.

1751. A grant unto WILLIAM ROBERTS, of High Street, in the city of Bristol, linen draper, and WILLIAM DIGHT, of the same place, painter, of their new art or mystery of running or laying paint mixed and prepared with oil and other materials, commonly called oil colours, one upon another in thin layers on canvas, wood, iron, stone, or any substance of that kind, and which will be perfectly transparent and durable, by which art sienna or parian marble, or any other of the curious stony productions of nature, may be imitated; it is peculiarly adapted for chimney pieces, pillars, floor cloths, and many other useful and ornamental purposes; to hold to them, their exors, admors, & ass^{s}, within Eng^{d}, Wales, British Isles, and town of Berwick-upon-Tweed, and also within His Majesty's colonies and plantations abroad, for the term of 14 years pursuant to the statute; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at West^{r}, the 11th day of May, in the year above. By writ, &c.

MURRAY. 1st June 1790.

1752. A grant unto MATTHEW MURRAY, of Leeds, in the county of York, whitesmith, of his new invented machine for spinning yarn from silk, cotton, hemp, tow, flax, and wool; to hold to him, his exors, admors, ass^{s}, within Eng^{d}, Wales, and town of Berwick-upon-Tweed for the term of 14 yrs pursuant to the statute; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at West^{r}, the 1st day of June, in the year above. By writ, &c.

LEGUIN. 1st June 1790.

1753. A grant unto ESTIENNE LEGUIN, of New Compton Street, in the parish of Saint Giles-in-the-Fields, in the county of Midx, optician, of his new invented machines or instruments, which will not only save much time and trouble in calculating the longitude, but be less liable to err than any of the methods now in use; to hold to him, his exors, admors, & ass^{s}, within Eng^{d}, Wales, & town of Berwick-upon-Tweed, for the term of 14 years pursuant to the statute; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at West^{r}, the 1st day of June, in the year above. By writ, &^{c}.

LONG. 4th June 1790.

1754. A grant unto JOHN LONG, of Longville, in the county of Dublin, in the kingdom of Ireland, merchant, of his certain new invented utensils to be made use of in all the essential parts of brewing good malt liquor without any addition to the usual quantity of malt or hops, whereby it will not only be stronger but will have a much higher flavor, by first extracting and then detaining the finer parts of the malt and hops in the beer, which from the present method of brewing in a great measure evaporates and abundantly diminishes the strength and flavor of the beer; by which discovery a method hath been found out of keeping the mash tun at whatever degree of heat the brewer or distiller shall think proper, whereby the full extract of the malt is obtained, which has never yet been done by any brewer or distiller in this kingdom, and by which it will also appear that the most inexperienced brewer or distiller can be instructed mechanically to know at all times what state of fermentation his tun is at; and a method is thereby discovered of having the full extract of the hops, by which means the liquor will be enable to stand the summer months or great warmth a considerable time longer and have much higher flavor than at present; also a method of conveying the worts from the mash tun to the copper, which will render the underback totally useless, and that if the atmosphere should be at a higher degree of heat than the fermentation requires he can let down or cool his tun, whereby in cold or frosty weather, if the worts should have lost the first warmth intended by the brewer to carry it through the process, it can be brought gradually to any degree of heat that the working brewer shall think proper; to hold to him, his exors, admors, & ass^{s}, within Eng , Wales, & town of Berwick-upon-Tweed, for the term of 14 y^{rs} pursuant to the statute; with a clause to inroll the same within one calendar month from the date hereof. W. H. M. at West^{r}, the 4th day of June, in the year above. By writ, &^{c}.

WHITWORTH. 8th July 1790.

1755. A grant unto JOHN WHITWORTH, of Deretend, in the township of Birmingham, in the county of Warwick, dye sinker, of his new invented method of plating silver upon pure or block tin, and of making and manufacturing therewith, by a new mode, all sorts of silver, plated goods, and wares usually manufactured from gold, silver, or other metals, or metal plated with gold or silver; to hold to him, his exors, admors, & ass^{s}, within England, Wales, and town of Berwick-upon-Tweed, for the term of 14 y^{rs} pursuant to the statute; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at West^{r}, the 8th day of July, in the year above. By writ, &^{c}.

MORECROFT. 8th July 1790.

1756. A grant unto WILLIAM MORECROFT, of the city of Lichfield, in the county of Stafford, architect, of his new invented mechanical crane or machine for the purpose of lifting and shifting of weights of different descriptions or kinds; to hold to him, his exors, admors, & assigns, within England, Wales, & town of Berwick-upon-Tweed, and also within His Majesty's colonies and plantations abroad, for the term of 14 years pursuant to the statute; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at West^{r}, the 8th day of July, in the year above. By writ, &^{c}.

BOULTON. 8th July 1790.

1757. A grant unto MATTHEW BOULTON, of Soho, in the county of Stafford, engineer, of his new invented methods of applying the powers of water mills, cattle mills, and steam engines, either simply or combined with the pressure of the atmosphere, and with weights & springs, to the working of fly presses or stamps, such as are commonly used for the purpose of striking or making impressions upon buttons, buckles, or other pieces of metal, as well as upon steel dies or metals or coins; and also to the working of presses for cutting out blanks for any of the above purposes; to hold to him, his exors, admors, & ass^{s}, within Eng^{d}, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at West^{r}, the 8th day of July, in the year of our Lord 1790. By writ, &c.

WEARN. 8th July 1790.

1758. A grant unto ROGER WEARN, of the parish of Phillack, in the county of Cornwall, bricklayer, of his new invented method of heating the boilers of steam engines with a smaller quantity of fuel than is now used for that purpose, and also by the fires used in such boilers to calcine ores at the same time; to hold to him, his exors, admors, & ass^{s}, within Eng^{d}, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at West^{r}, the 8th day of July, in the year above. By writ, &c.

CRESWELL. 10th July 1790.

1759. A grant unto JOSEPH CRESWELL, of Boston Lane, in the county of Middlesex, goldsmith, of his new invented engine for washing linen, wollen, and every other article that requires washing, with greater expedition than any other method now in use; to hold to him, his exors, admors, & ass^{s}, within Eng^{d}, Wales, & town of Berwick-upon-Tweed for the term of 14 y^{rs} pursuant to the statute; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at West^{r}, the 10th day of July, in the year above. By writ, &c.

HESLOP. 17th July 1790.

1760. A grant unto ADAM HESLOP, of Ketley, in the county of Salop, engineer, of his new invented engine for lessening the consumption of steam and fuel in fire or steam engines, and gaining considerable effect in time and force; to hold to him, his exors, admors, & ass^{s}, within Eng^{d}, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at West^{r}, the 17th day of July, in the year above. By writ, &c.

SAINT. 17th July 1780.

1761. A grant unto THOMAS SAINT, of Greenhill's Rents, in the parish of Saint Sepulchre and county of Middlesex, cabinet maker, of his new invented certain compositions of the nature of japan or varnish, which will be very advantageous in many useful applications; to hold to him, his exors, admors, and ass^{s}, within Eng^{d}, Wales, & town of Berwick-upon-Tweed, and also within His Majesty's colonies and plantations abroad, for the term of 14 years pursuant to the statute; with a clause to inrol the same within two calendar months from the date hereof. W. H. M. at West^{r}, the 17th day of July, in the year above. By writ, &c.

CLIFFORD. 17th July 1790.

1762. A grant unto THOMAS CLIFFORD, of the city of Bristol, merchant, of his new invented mode of manufacturing nails of every kind by machinery, never before made use of for that purpose; to hold to him, his exors, admors, & ass^{s}, within Eng^{d}, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at West^{r}, the 17th day of July, in the year above. By writ, &c.

FAY.
17th July 1790.

1763. A grant unto ANTHONY FAY, of Bateman's Buildings, in the parish of Saint Ann, Soho, in the county of Middlesex, esq^{r}, of his new invented improvements in the art of tanning of leather, and in the construction of tan-yards for that purpose, by which means much time and labour will be saved, and the article produced at a much cheaper rate than by any of the modes now in use; to hold to him, his ex̃ors, adm̃ors, & ass^{s}, within Eng^{d}, Wales, & town of Berwick-upon-Tweed, and also within His Majesty's colonies and plantations abroad, for the term of 14 years pursuant to the statute; with a clause to inrol the same within three calendar months from the date hereof. W. H. M. at West^{r}, the 17th day of July, in the year above. By writ, &^{c}.

SAINT.
17th July 1790.

1764. A grant unto THOMAS SAINT, of Greenhill's Rents in the parish of Saint Sepulchre and county of Middlesex, cabinet maker, of his new invented method of making and compleating shoes, boots, spatterdashes, clogs, and other articles by means of tools or machines also invented by him for that purpose; to hold to him, his ex̃ors, adm̃ors, & ass^{s}, within Eng^{d}, Wales, & town of Berwick-upon-Tweed, and also within His Majesty's colonies and plantations abroad, for the term of 14 years pursuant to the statute; with a clause to inrol the same within two calendar months from the date hereof. W. H. M. at West^{r}, the 17th July, in the year above. By writ, &^{c}.

REDMAN.
28th July 1790.

1765. A grant unto WILLIAM REDMAN, of the city of New Sarum, in the county of Wilts, tin plate worker, of his new invented iron back adapted to all sorts of stoves and grates used in fire places in rooms, which by rarifying the air in the chimney accelerates and impels the ascension of the smoake, causes the fire in the stove or grate to burn free and clear, prevents any smoake in the room, and gives a much greater heat than stoves or grates without such backs will do; to hold to him, his ex̃ors, adm̃ors, and ass^{s}, within Eng^{d}, Wales, & town of Berwick-upon-Tweed for the term of 14 y^{rs} pursuant to the statute; with a clause to inrol the same within one calendar month from the date thereof. W. H. M. at West^{r}, the 28th day of July, in the year above. By writ, &^{c}.

BARCLAY.
28th July 1790.

1766. A grant unto ROBERT BARCLAY, of Southwark, brewer, of a new method of making punches for stamping & punching the matrices of printing types for letters and devices, and for impressing on copper cuts or other printing plates, and on dies, and on precious metals, and on any other substances, certain marks, which letters, devices, and marks cannot be counterfeited; to hold to him, his ex̃ors, adm̃ors, & ass^{s}, within Eng^{d}, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at West^{r}, the 28th day of July, in the year above. By writ, &^{c}.

BESANT.
28th July 1790.

1767. A grant unto JOHN BESANT, of his new invented carriage, so constructed as to save in the labour of horses, to be less destructive to roads, and better calculated for the conveyance of merchandize and the accomodation of passengers than any now in use; to hold to him, his ex̃ors, adm̃ors, & ass^{s}, within Eng^{d}, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at West^{r}, the 28th day of July, in the year above. By writ, &^{c}.

FINCH.
28th July 1790.

1768. A grant unto WILLIAM FINCH, of Woomburne, in the county of Stafford, ironmaster, of his new invented methods of making nails and spikes of iron, copper, and other metals by means of certain machinery put in motion

by the force of animals, water, wind, or steam, instead of making them by hand labour ; to hold to him, his exors, admors, & ass^{s}, within Eng^{d}, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within one calendar month from the date hereof. W. H. M. at West^{r}, the 28th day of July, in the year above. By writ, &c.

HARRIS. LONG. 28th July 1790.

1769. A grant unto THOMAS HARRIS, of the city of Bristol, distiller, and JOHN LONG, of Dublin, in the kingdom of Ireland, merchant, of their new invented utensil or apparatus, to be used in breweries, distilleries, &c, for the purpose of cooling worts of all kinds ; to hold to them, their exors, admors, and assigns, within Eng^{d}, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at West^{r}, the 28th day of July, in the year above. By writ, &c.

THUNDER. 10th August 1790.

1770. A grant unto EDWARD THUNDER, of Brighthelmston, in the county of Sussex, builder, of his new invented machine or machines for mangling and washing every article made of linen, wool, silk, or cotton that will bear washing, (and which may be applied to other useful purposes,) whereby those articles will receive much less damage than by any method now in use ; to hold to him, his exors, admors, and ass^{s}, within Eng^{d}, Wales, & town of Berwick-upon-Tweed for the term of 14 y^{rs} pursuant to the statute; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at West^{r}, the 10th day of August, in the year above. By writ, &c.

STANHOPE. 17th August 1790.

1771. A grant unto CHARLES Earl STANHOPE, of his new improved method of moving ships and vessells against wind, waves, current, or tide, or against the power of them all united ; to hold to him, his exors, admors, & ass^{s}, within Eng^{d}, Wales, & town of Berwick-upon-Tweed, and also within His Majesty's colonies and plantations abroad, for the term of 14 y^{rs} pursuant to the statute ; with a clause to inrol the same within three calendar months from y^{e} date hereof. W. H. M. at West^{r}, the 17th day of August, in y^{e} year above. By writ, &c.

HANCOCK. 18th August 1790.

1772. A grant unto JOSEPH HANCOCK, of Salisbury Square, in the parish of Saint Brides, in the city of London, victualler, of his new invented machine for washing, cleansing, and scouring of linen, woollen, wool, cotton, silk, or any other commodity that requires washing, cleansing, or scouring ; to hold to him, his exors, admors, & ass^{s}, within England, pursuant to the statute; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at West^{r}, the 18th day of Aug^{t}, in the year above. By writ, &c.

PERKINS. 19th August 1790.

1773. A grant unto CHRISTOPHER PERKINS, of Stockton, in the county of Durham, builder, of his new invented drill machine for sowing corn, pulse, and seeds; to hold to him, his exors, admors, & ass^{s}, within Eng^{d}, Wales, & town of Berwick-upon-Tweed for y^{e} term of 14 y^{rs} pursuant to y^{e} statute; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at West^{r}, the 19th day of August, in the year above. By writ, &c.

PHIPPS. 21st August 1790.

1774. A grant unto JOHN PHIPPS, of Laytonstone, in the county of Essex, gentleman, of his new invented method to facilitate the acquirement of several of the useful and polite arts, by an easy, effectual, and expeditious manner of teaching writing and drawing, which is done by constructing or fabricating the molds, wove or washing wires, or other wire, in or on which paper is made, so that

every sheet shall come out of or from them properly adapted for the purposes, when finished by the maker in the usual manner, by having the lines made and the copies set for writing, and the outlines and sketch for drawing by what is called the water mark for the learner to trace over; to hold to him, his exors, admors, & ass^{s}, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at West^{r}, the 21st day of Aug^{t}, in the year above. By writ, &c.

HATELEY. 16th Oct. 1790.

1775. A grant unto JOSEPH HATELEY, of Newcastle-upon-Tyne, in the county of Northumberland, engineer, of his new invented pneumatic fire engine, on principles entirely new, of working silk, cotton, thread, and worsted mills, of rolling, slitting, and stamping metals, of raising coals, mineral, and fossil bodies from mines of the greatest depth, and of furnishing mills and machines of any kind with the means or powers of making either circular or retrograde motions, at much less expence than can possibly be performed by any machine extant; to hold to him, his exors, admors, & ass^{s}, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at West^{r}, the 16th day of October, in the year above. By writ, &c.

HEMPEL. 16th Oct. 1790.

1776. A grant unto JOHANNA HEMPEL, of the Kings Private Road, in the parish of Saint Luke, Chelsea, in the county of Middlesex, potter, of her new invented composition, made of earth and other materials, and the means of manufacturing the same into basons and other vessells, which, so manufactured, hath the power of filtering water and other liquids in a more cheap, easy, and convenient manner than water or other liquids can now be filtered; to hold to her, her exors, admors, & ass^{s}, within Eng^{d}, Wales, and town of Berwick-upon-Tweed for the term of 14 y^{rs} pursuant to the statute; with a clause to inroll the same within one calendar month from the date hereof. W. H. M. at West^{r}, the 16th of Oct^{r}, in the year above. By writ, &c.

HAGUE. 29th Oct. 1790.

1777. A grant unto SAMUEL HAGUE, of the town and county of the town of Nottingham, stocking framework knitter, of his new invented piece of machinery, which is to be added and affixed to a stocking frame, for making, in a more speedy and compleat manner, elastic double knit framework pieces for hose or stockings, waistcoats, breeches, gloves, purses, and various sorts of work, either with silk, cotton, cotton and silk, worsted, worsted and silk, thread, yarn, and so forth; to hold to him, his exors, admors, & ass^{s}, within Eng^{d}, Wales, and town of Berwick-upon-Tweed for the term of 14 y^{rs} pursuant to the statute; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at West^{r}, the 29th day of Oct^{r}, in the year above. By writ, &c.

BIRD. 29th Oct. 1790.

1778. A grant unto MOSES BIRD, of Tylers Court, Wardour Street, in the parish of Saint James's, in the liberty of Westminster, in the county of Middlesex, locksmith, of his new invented guarded lock, bolt, or a box, to be applied to the bolt, for the better securing of locks, latches, bars, and turn buckles, and in securing sashes in the frames, doors, drawers, desks, and bureaus, from being open'd by any picklock or false instrument; to hold to him, his exors, admors, and assigns, within Eng^{d}, Wales, & town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at West^{r}, the 29th day of October, in the year above. By writ, &c.

LUSCOMBE. 29th Oct. 1790.

1779. A grant unto MATTHEW LUSCOMBE, of Stonehouse, near Plymouth, in the county of Devon, of his new improvement on a composition called naval black varnish, for paying yards, masts, blocks and bends, anchors, &c, of ships, and also for ships bottoms, and for laying on copper for sheathing of ships much better than any thing hitherto known ; and the oil extracted in the process is of great use to preserve the health of men on board ships and in hospitals, and in any situation, by purifying the air ; to hold to him, his exors, admors, and assns, within Engd, Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at Westr, the 29th day of October, in the year above.

By writ, &c.

SINGLETON. 6th Nov. 1790.

1780. A grant unto GEORGE SINGLETON, of Featherstone Street, in the parish of Saint Luke, in the county of Middlesex, callico glazer, of his alterations, improvements, and additions in, about, and to the old machine or engine for glazing of linens, cottons, callicoes, muslins, stuffs of linen and cotton, buckrams, and various other articles of British manufacture, as well as those of India ; to hold to him, his exors, admors, & assns, within Engd, Wales, & town of Berwick-upon-Tweed for the term of 14 yrs pursuant to the statute ; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at Westr, the 6th day of Novr, in the year above.

By writ, &c.

PUGH. 6th Nov. 1790.

1781. A grant unto SAMUEL PUGH, of Bishopgate Street, London, soap boiler, of his new invented art of preparing of oils for the making and manufacturing of hard soap, with or without tallow, or any other grease or rosin, at a much less price than by the method now in use, and which preparation may be adapted to several other useful purposes ; to hold to him, his exors, admors, and assns, within Engd, Wales, and town of Berwick-upon-Tweed, and also within His Majesty's colonies and plantations abroad, for the term of 14 years pursuant to the statute ; with a clause to inrol the same within three calendar months from the date hereof. W. H. M. at Westr, the 6th day of Novr, in the year above.

By writ, &c.

WHITMORE. 16th Nov. 1790.

1782. A grant unto WILLIAM WHITMORE, of Birmingham, in the county of Warwick, toolmaker, of his method of making the shanks or eyes for buttons, by the application of rollers, presses, and other implements, in a manner entirely new ; to hold to him, his exors, admors, & assns, within Engd, Wales, & town of Berwick-upon-Tweed for the term of 14 yrs pursuant to the statute ; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at Westr, the 16th day of November, in the year above.

By writ, &c.

NIGHTINGALE. 16th Nov. 1790.

1783. A grant unto THOMAS NIGHTINGALE, of Milk Street, in the parish of Saint Mary Magdalen, Milk Street aforesaid, in the city of London, calenderer, of his new invented machine for calendering, glazing, and dressing of muslin, callico, cotton, linen, woollen, silks, paper, gauze, mohair, and other articles, in a superior manner to any other which has heretofore been used or discovered ; to hold to him, his exors, admors, & assns, within Engd, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute ; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at Westr, the 16th day of Novr, in the year above.

By writ, &c.

BALL.
16th Nov. 1790.

1784. A grant unto JAMES BALL, of Duke Street, Grosvenor Square, in the parish of Saint George, Hanover Square, and county of Middlesex, piano forte maker, of his new invented improvements upon the square and other piano fortes, which will render these instruments more perfect than any hitherto made; to hold to him, his exors, admors, & ass^{s}, within Eng^{d}, Wales, & town of Berwick-upon-Tweed for the term of 14 y^{rs} pursuant to the statute; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at West^{r}, the 16th day of Nov^{r}, in the year above. By writ, &c.

CLIFFORD.
4th Dec. 1790.

1785. A grant unto THOMAS CLIFFORD, of the city of Bristol, merchant, of his new improved mode of manufacturing nails; to hold to him, his exors, admors, & ass^{s}, within Eng^{d}, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at West^{r}, the 4th day of December, in the year above. By writ, &c.

KENDALL.
8th Dec. 1790.

1786. A grant unto WILLIAM KENDALL, of Knightsbridge, in the county of Middlesex, gentleman, of his new invented machine for washing, cleansing, and scouring all sorts of linen, cotton, or woollen apparel and household furniture that generally requires to be washed, cleansed, or scoured by families at home, constructed so as to save considerable labor and expense; to hold to him, his executors, admors, & ass^{s}, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at West^{r}, the 8th day of December, in the year above. By writ, &c.

CARTWRIGHT.
11th Dec. 1790.

1787. A grant unto EDMUND CARTWRIGHT, late of Doncaster, in the county of York, but now of Elsham, in the county of Lincoln, clerk, master of arts, of his new invented improvem^{ts} on and additions to his machinery for dressing, combing, heckling, & preparing wool, hemp, flax, silk, hair, and cotton, for which a Patent was granted unto him, bearing date the 27th day of April, in the year of our Lord 1790; to hold to him, his exors, admors, & ass^{s}, within Eng^{d}, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at West^{r}, the eleventh day of December, in the year above. By writ, &c.

BROOKS.
14th Jan. 1791.

1788. A grant unto JOSEPH BROOKS, of New Woodstock, in the county of Oxford, gentleman, of his new invented buoyant engine or machine for the purpose of raising water, boats, and weights from a lower to a higher level without the aid of fire or wind, and without taking any water from the uppermost level unless in use of raising a greater quantity; to hold to him, his exors, admors, & ass^{s}, within Eng^{d}, Wales, & town of Berwick-upon-Tweed for the term of 14 y^{rs} pursuant to the statute; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at West^{r}, the 14th day of January, in the year of our Lord 1791. By writ, &c.

SYEDS.
21st Jan. 1791.

1789. A grant unto JOHN SYEDS, of Mill Street, in the parish of Saint Mary Magdalen, Bermondsey, in the borough of Southwark, and county of Surry, mariner, of his new invented machine or instrument called an improved quadrant, for determining the altitude at sea when no horizon can be found, and for the easier ascertaining the longitude; to hold to him, his exors, admors, & ass^{s}, within England, Wales, and town of Berwick-upon-Tweed, for the term of 14 y^{rs} pursuant to the statute; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at West^{r}, the 21st day of Jañry, in the year above. By writ, &c.

DUFOUR. 24th Jan. 1791.

1790. A grant unto WILLIAM DUFOUR, of Berwick Street, in the parish of Saint James, within the liberty of Westminster, in the county of Middlesex, gentleman, of his new invented machine, which he calls a sliding balcony or private family fire escape, and which he conceives to be very far superior and much better adapted for the purpose of effectually and safely conveying persons and property out of the windows of houses when on fire ; and that the same will be of much greater utility for the preservation of lives and property from the dreadful effects of fire than any other machine heretofore discovered or invented ; to hold to him, his exors, admors, & ass^{s}, within Eng^{d}, Wales, & town of Berwick-upon-Tweed for the term of 14 y^{rs} pursuant to the statute ; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at West^{r}, the 24th day of January, in the year above. By writ, &^{c}.

JAYNE. 8th Feb. 1791.

1791. A grant unto WILLIAM JAYNE, of Sheffield, in the county of York, confectioner, of his new invented composition or mixture for keeping and preserving perfectly sound, for the space of two years at the least, the eggs of hens, turkies, geese, and ducks ; to hold to him, his exors, admors, & ass^{s}, within Eng^{d}, Wales, & town of Berwick-upon-Tweed for the term of 14 y^{rs} pursuant to the statute ; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at West^{r}, the 8th day of February, in the year above. By writ, &^{c}.

MANWARING. 10th Feb. 1791.

1792. A grant unto ISAAC MANWARING, of Rosoman Street, in the parish of Saint James, Clerkenwell, in the county of Middlesex, saw-maker, of his new invented pendulum steam engine, with two or more cylinders, to work immediately upon a wheel or wheels without a crank, long beam, or leaver, as now used, and in a manner different from the hitherto accustomed mode of working steam engines, which may be either in the whole or by the several parts thereof applied to any works where great force or power is required, and equally applicable to the raising of water, working mills of any kind, increasing the power of cranes, raising anchors, and to assist in the navigating vessells of any burthen, and has the further convenience of taking up much less room than any other steam engine at present known of equal power ; to hold to him, his exors, admors, & ass^{s}, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute ; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at West^{r}, the 10th of February, in the year above. By writ, &^{c}.

ASHTON. 24th Feb. 1791.

1793. A grant unto ISAAC ASHTON, of Arundel Street, in the Strand, in the county of Middlesex, surveyor, of his new invented method to sustain or resist the weight or pressure of solids and fluids in any lateral or antivertical direction ; to hold to him, his exors, admors, and ass^{s}, within Eng^{d}, Wales, & town of Berwick-upon-Tweed for the term of 14 y^{rs} pursuant to the statute ; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at West^{r}, the 24th day of Febry, in the year above. By writ, &^{c}.

SHORLAND. 3rd March 1791.

1794. A grant unto WILLIAM SHORLAND, of the city of Bristol, millwright and engineer, of his new invented mill, machine, or machinery, calculated to prevent mills and all kinds of works drove by water from being flooded or impeded by back or tail water, through the operation and effect of double power overshot wheels and flood gates ; and for grinding, &^{c}, of every species of grain, foreign or domestic produce, and the powdering and whitening of every sort of sugar ; such mill, machine, or machinery to be worked either by

water, wind, manual labour, steam, horses, or any other cattle; to hold to him, his exors, admors, & ass^{s}, within Eng^{d}, Wales, & town of Berwick-upon-Tweed for the term of 14 y^{rs} pursuant to the statute; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at West^{r}, the 3rd day of March, in the year above. By writ, &c.

BEESLEY. 3rd March 1791.

1795. A grant unto JAMES BEESLEY, of Stacey Street, in the parish of Saint Giles-in-the-Fields, and county of Middlesex, silver plate and coach founder, of his new invented plated pokers, tongs, and shovels (commonly called fire irons), and fenders of all patterns; to hold to him, his exors, admors, & ass^{s}, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 y^{rs} pursuant to the statute; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at West^{r}, the 3^{d} day of March, in the year above. By writ, &c.

STRINGER. 18th March 1791.

1796. A grant unto RICHARD STRINGER, of the Strand, in the parish of Saint Martin-in-the-Fields, in the county of Middlesex, chemist and druggist, of his new invented chemical preparation called "Stringers essence of myrrh," for curing the scurvy in the gums, fastening the teeth, causing the gums (when parted from the teeth) to grow up, and give them a firmness and beautiful red colour; also for stopping the progress of teeth which are decaying, and for preventing their being offensive; to hold to him, his exors, admors, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at West^{r}, the 18th day of March, in the year above. By writ, &c.

JEFFREYS. 18th March 1791.

1797. A grant unto GEORGE JEFFREYS, of the parish of Saint Luke, Old Street, in the county of Middlesex, scarlet dyer, of his new invented method of dying woollen cloths, stuffs, and other materials in various colours, and of any figure, pattern, or design; to hold to him, his exors, admors, & ass^{s}, within Eng^{d}, Wales, & town of Berwick-upon-Tweed for the term of 14 y^{rs} pursuant to the statute; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at West^{r}, the 18th day of March, in the year above. By writ, &c.

COLLINS. 18th March 1791.

1798. A grant unto BENJAMIN CHARLES COLLINS, of the city of Salisbury, in the county of Wilts, of his new invented construction of a grate, to be used in or out of a chimney, with an air flue or air flues in the cheeks and back, whereby the fuel burnt in it will have the effect of giving a brighter and stronger fire than is produced in chimney grates now in use; and all or nearly all of the smoke issuing from such fuel will be consumed in and by the fire in such grate; to hold to him, his exors, admors, & ass^{s}, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 y^{rs} pursuant to the statute; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at Westminster, the 18th day of March, in the year above. By writ, &c.

BEVANS. 4th April 1791.

1799. A grant unto JOHN BEVANS, of Red Lion Street, Clerkenwell, in the county of Middlesex, joiner, of his new invented method of making circular wooden sash frames, sashes and soffits, fanlights, doors, mouldings, and hand rails for stairs; to hold to him, his exors, admors, & ass^{s}, within Eng^{d}, Wales, & town of Berwick-upon-Tweed for the term of 14 y^{rs} pursuant to the statute; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at West^{r}, the 4th day of April, in the year above. By writ, &c.

BLAIR.
4th April 1791.

1800. A grant unto ROBERT BLAIR, surgeon in His Majesty's navy, of his new invented method of improving the reflecting telescope and other dioptrical instruments; to hold to him, his executors, administrators, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at Westminster, the 4th day of April, in the year above. By writt, &c.

PEAL.
2nd May 1791.

1801. A grant unto SAMUEL PEAL, of Wirksworth, in the county of Derby, cordwainer, of his new improved method of making & rendering perfectly water proof all kinds of leather, cotton, linen and woollen cloths, silks, stuffs, paper, wood, and other manufactures and substances, for the purpose of being worked up into shoes, boots, and other wearing apparel, and to be used on all occasions where dryness or a power of repelling wet or moisture may be required; to hold to him, his exors, admors, and ass^{s}, within England, Wales, and town of Berwick-upon-Tweed, and also within His Majesty's colonies and plantations abroad, for the term of 14 y^{rs} pursuant to the statute; with a clause to inrol the same within four calendar months from the date hereof. W. H. M. at West^{r}, the 2^{d} day of May, in the year above. By writ, &c.

MURDOCK.
2nd May 1791.

1802. A grant unto WILLIAM MURDOCK, of Redruth, in the county of Cornwall, gent., of his new invented method of making (from the same material and by processes entirely new) copperas, vitrol, and different sorts of dye or dying stuff, paints, & colours, and also a composition for preserving the bottoms of all kind of vessells, and all wood required to be immersed in water, from worms, weeds, barnacles, and every other foulness which usually does or may adhere thereto; to hold to him, his exors, admors, & ass^{s}, within England, Wales, & town of Berwick-upon-Tweed, for the term of 14 years pursuant to the statute; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at West^{r}, the 2^{d} day of May, in the year above. By writ, &c.

DE CHEMANT.
11th May 1791.

1803. A grant unto NICHOLAS DUBOIS DE CHEMANT, of the city of Paris, in the kingdom of France, surgeon dentist, of his new invented composition for the purpose of making of artificial teeth, either single, double, or in rows, or in compleat setts, and also springs for fastening or affixing the same in a more easy and effectual manner than any hitherto discovered, which said teeth may be made of any shade or colour, which they will retain for any length of time, and will, consequently, more perfectly resemble the natural teeth than any now made; to hold to him, his exors, admors, & ass^{s}, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 y^{rs} pursuant to the statute; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at West^{r}, the 11th day of May, in the year above. By writ, &c.

GORTON.
11th May 1791.

1804. A grant unto RICHARD GORTON, of Cuckney, near Mansfield, in the county of Nottingham, weaver, of his new invented loom or machine to weave all sorts of woollen, linen, worsted, cotton, and silk goods, and which will work one or several pieces at the same time, either by hand-lath pole, steam engine, or by water machinery; to hold to him, his exors, admors, & ass^{s}, within Eng^{d}, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at West^{r}, the 11th day of May, in the year above. By writ, &c.

WYATT. 11th May 1791.

1805. A grant unto CHARLES WYATT, of Birmingham, in the county of Warwick, merchant, of his new invented method of making and manufacturing pipes and spouts for conveying water and other liquids, and for making and manufacturing troughs and cistern heads for receiving or holding water from the roofs of buildings, and applicable to other purposes, of materials not heretofore used and applied to and for such purposes; to hold to him, his exors, admors, & ass^{s}, within Eng^{d}, Wales, & town of Berwick-upon-Tweed for the term of 14 y^{rs} pursuant to the statute; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at West^{r}, the 11th day of May, in the year above. By writ, &^{c}.

PARKER. 17th May 1791.

1806. A grant unto JAMES PARKER, of Christ Church, in the county of Surry, gentleman, of his new invented method of burning bricks and tiles, and calcining chalk, earth stone, and lime stone, with a certain material never before made use of for that purpose; to hold to him, his exors, admors, and ass^{s}, within Eng^{d}, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at West^{r}, the 17th day of May, in the year above. By writ, &^{c}.

RIDGE. 24th May 1791.

1807. A grant unto SAMUEL RIDGE, of Hodshrove, in the parish of Falmer, in the county of Sussex, gentleman, of his new invented machine or machines for the purpose of raising or moving of fluids and other bodies by the power or force of wind, steam, manual labour, or any other given power, and which may be applied to many useful purposes; to hold to him, his executors, admors, & ass^{s}, within Eng^{d}, Wales, & town of Berwick-upon-Tweed for the term of 14 y^{rs} pursuant to the statute; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at West^{r}, the 24th day of May, in the year above. By writ, &^{c}.

TESCHEMACHER. 24th May 1791.

1808. A grant unto JOHN ROGER TESCHEMACHER, of the parish of Clarborough, in the county of Nottingham, gentleman, of his new invented method of producing steam by means of a machine to be used in engines instead of the common boiler, and also a method of applying the same machine in working engines of every description where steam is used, and so as to raise and produce a very large quantity of steam with very little fuel, upon principles not heretofore put in practice; to hold to him, his exors, admors, & ass^{s}, within Eng^{d}, Wales, & town of Berwick-upon Tweed for the term of 14 years pursuant to the statute; with a clause to inrol the same within one calendar month from the date hereof. Witness His Majesty at West^{r}, the 24th day of May, in the year above. By writ, &^{c}.

DOLIGNON. 28th May 1791.

1809. A grant unto STEPHEN DOLIGNON, of the parish of Christ Church, in the county of Middlesex, weaver, of his new invented machine, or engine, for the purpose of weaving in a manner entirely new, & with much less labour and expence than is now practised; to hold to him, his exors, admors, & ass^{s}, within Eng^{d}, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inrol the same within four calendar months from the date hereof. W. H. M. at West^{r}, the 28th day of May, in the year above. By writ, &^{c}.

KELLY. 28th May 1791.

1810. A grant unto JASPER AUGUSTUS KELLY, of the parish of S^{t} Mary-le-Strand, in the county of Middlesex, whipmaker, of his new invented saddle-tree and saddle, upon an entire new construction, calculated to give greater ease both to the horse and rider than any hitherto discovered; to hold to him, his exors, admors, and ass^{s}, within Eng^{d}, Wales, & town of Berwick-

upon-Tweed for the term of 14 years pursuant to the statute ; with a clause to inroll the same within one calendar month from the date hereof. W. H. M. at Westr, the 28th day of May, in the year above. By writ, &c.

ARNOUX. 28th May 1791.

1811. A grant unto JEAN ARNOUX, of the parish of Saint James, Westr, in the county of Middlesex, doctor of physic and occulist, of his new invented spinning wheel, upon an entire new construction, for the purpose of spinning, and at the same time reeling or winding of flax, hemp, rope, yarn, & other articles, to any size or dimensions required, from the smallest thread to the largest rope or cable ; to hold to him, his exors, admors, & asss, within Engd, Wales, & town of Berwick-upon-Tweed for the term of 14 yrs pursuant to the statute ; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at Westr, the 28th day of May, in the year above. By writ, &c.

SADLER. 10th June 1791.

1812. A grant unto JAMES SADLER, of the city of Oxford, engineer, of his new invented engine for lessening the consumption of steam and fuel in steam or fire engines, and gaining a considerable effect in time & force ; to hold to him, his exors, admors, & asss, within Engd, Wales, & town of Berwick-upon-Tweed for the term of 14 yrs pursuant to the statute ; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at Westr, te 10 day of June in the year above. By writ, &c.

GLENNY. 2nd July 1791.

1813. A grant unto GEORGE GLENNY, of Bromley Hill, in the county of Kent, esquire, of his new invented method of obtaining from wood ashes a greatly superior quantity of pot and pearl ashes than have hitherto been obtained ; to hold to him, his exors, admors, & asss, within Engd, Wales, & town of Berwick-upon-Tweed, and also within His Majesty's colonies & plantations abroad, for the term of 14 yrs pursuant to the statute ; with a clause to inroll the same within one calendar month from the date hereof. W. H. M. at Westr, the 2d day of July in the year above. By writ, &c.

PLAYFAIR. 2nd July 1791.

1814. A grant unto JAMES PLAYFAIR, of Russell Place, in the parish of Saint Pancras, architect, of his new invented method of constructing locks for navigable canals on principles entirely new, and also of improving those already erected, whereby any given portion of the water usually employed in the ascent and descent of vessels is saved ; to hold to him, his exors, admors, & asss, within Engd, Wales, & town of Berwick-upon-Tweed for the term of 14 yrs pursuant to the statute ; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at Westr, the 2d day of July, in the year above. By writ, &c.

WRIGHT. 5th July 1791.

1815. A grant unto GABRIEL WRIGHT, of the parish of Saint Mary, Islington, in the county of Middlesex, optician, of his new invented & improved method of making magnetical or sea compasses, commonly called azimuth, amplitude, steering, and hanging compasses, for the improvement and benefit of navigation, marine surveying, and so forth ; to hold to him, his exors, admors, & asss, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 yrs pursuant to the statute ; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at Westr, the 5 day of July, in the year above. By writ, &c.

HOYLE. 7th July 1791.

1816. A grant unto JOHN HOYLE the younger, of the parish of Halifax, in the county of York, dyer, of his new improved method of communicating heat or warmth to hot houses, green houses, churches, and dwelling houses, manufactories, and all other buildings in any degree required for either of

those purposes ; to hold to him, his exors, admors, & ass^{s}, within Eng^{d}, Wales, & town of Berwick-upon-Tweed for the term of 14 y^{rs} pursuant to the statute; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at West^{r}, the 7th day of July, in the year above.
By writ, &c.

KNIPE. 7th July 1791.

1817. A grant unto FRANCIS NOBLE KNIPE, of Devonshire Street, Queen Square, gentleman, of his new invented machine for raising or dispersing water, condensing air, or other purposes, possessing a self assisting power, effected by the pressure of the column of air, water, or resistance in any direction upon the forcing power, in favour of the agent or working power in the proportion of about seven to thirteen and upwards, according to the different modifications of the machine, which admits of a great variety of changes, and hath no similarity or likeness in principle to any engine hitherto made use of, is adapted to all situations and purposes of raising water, is more simple, compact, and portable, less expensive, and by far more effectual, than any hydraulic engine now in being ; to hold to him, his exors, admors, & ass^{s}, within Eng^{d}, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at West^{r}, the 7th day of July, in the year above. By writ, &c.

KNIPE. 7th July 1791.

1818. A grant unto FRANCIS NOBLE KNIPE, of Devonshire Street, Queen Square, gentleman, of his new invented method of working any rotatory and some other motions, by an entire new application of certain of the mechanical powers, tending to produce a greater effect at much less labour and expence than by any other mode now in use; to hold to him, his exors, admors, & ass^{s}, within Eng^{d}, Wales, & town of Berwick-upon-Tweed for the term of 14 y^{rs} pursuant to the statute ; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at West^{r}, the 7th day of July, in the year above. By writ, &c.

FERRYMAN. 19th July 1791.

1819. A grant unto the Rev^{d} ROBERT FERRYMAN, of the city of Gloucester, of his new invented locks, acting by lever, toothed wheel, and drop, chiefly without springs, simple in their principles and not liable to be injured by accident or friction, particularly applicable to prisons, and to all other places and things where strong fastenings are requisite ; to hold to him, his exors, admors, & ass^{s}, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 y^{rs} pursuant to the statute ; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at West^{r}, the 19th day of July, in the year above. By writ, &c.

DAWSON. 19th July 1791.

1820. A grant unto WILLIAM DAWSON, of the town and county of the town of Nottingham, needlemaker, of his new invented engine or machine for making, twisting, and looping open work, bobbin lace, and also for making lace and open work, as mitts, gloves, caps, handkerchiefs, aprons, stocking pieces, and other things of that sort of work that may be worked or manufactured upon the said engine or machine ; to hold to him, his exors, admors, & ass^{s}, within Eng^{d}, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at West^{r}, the 19th day of July, in the year above. By writ, &c.

DUNN. JACKSON. 19th July 1791.

1821. A grant unto EDWARD DUNN, of the parish of Saint Mary-le-bone, in the county of Middlesex, sadler, and WILLIAM JACKSON, of the parish of Saint Clement Danes, in the same county, smith, of their new invented im-

provements on the construction of saddles, and stirrup irons, by which saddles are made to fit either horse, mule, or poney, of any height or size, and which may be changed without expense of alteration, or any danger of injuring the horses back in any manner; to hold to them, their exors, admors, & ass^{s}, within Eng^{d}, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at West^{r}, the 19th day of July, in the year above. By writ, &c.

MEAD. 12th August 1791.

1822. A grant unto THOMAS MEAD, of the parish of Sculcoates, otherwise Scowscotts, in the county of York, engineer, of his new invented reciprocating fire or steam engine, upon an entire new principle, for the use of mills, pumps, cranes, carriages, and other purposes where the force of fire or steam is required; to hold to him, his exors, admors, & assigns, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at West^{r}, the 12th day of August, in the year above. By writ, &c.

MACKENZIE. 13th August 1791.

1823. A grant unto COLIN MACKENZIE, of Oxford Market, in the parish of Saint Mary-le-bone, in the county of Middlesex, whitesmith, of his new invented link for a chain, and a certain way and method of making a chain of such links by uniting the same, and which may be used as a mooring chain, ship cable, watch chain, or for any other purpose where a chain can be used, and which can be lengthened or shortened at pleasure by adding or taking away such links without cutting or breaking any one or more of them; to hold to him, his exors, admors, & ass^{s}, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 y^{rs} pursuant to the statute; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at West^{r}, the 13th day of August, in the year above. By writ, &c.

MERRICKS. 16th August 1791.

1824. A grant unto THOMAS MERRICKS, of Uckfield, in the county of Sussex, smith, of his new invented improvements in the construction of ploughs, by which means the ground may be ploughed at a much less expence than can at present be effected; to hold to him, his exors, admors, & ass^{s}, within Eng^{d}, Wales, & town of Berwick-upon-Tweed for the term of 14 y^{rs} pursuant to the statute; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at West^{r}, the 16th day of August, in the year of our Lord 1791. By writ, &c.

RUMSEY. 25th August 1791.

1825. A grant unto JAMES RUMSEY, of Falcon Stairs, Blackfryers, Southwark, engineer, of his new invented and improved methods of applying the power of steam and of water, either separate or together, as circumstances may require, to the purpose of milling, and giving advantageous motion and effect to all kind of machines and engines upon which they may be brought to act; to hold to him, his exors, admors, and ass^{s}, within England, Wales, and town of Berwick-upon-Tweed, and also within His Majesty's colonies and plantations abroad, for the term of 14 years pursuant to the statute; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at West^{r}, the 25th day of August, in the year above. By writ, &c.

HARE. 12th Sept. 1791.

1826. A grant unto RICHARD HARE, of Limehouse, in the county of Middlesex, brewer, of his new invented apparatus, whereby the essential oil of hops (which he is informed is the most efficacious and preservative part of that vegetable, and which, till this invention, was lost and dissipated in the air during the operation of boiling worts for beer,) is preserved and applied to use; and that by means of the said apparatus his water for brewing is

heated to such degree of heat as he judges necessary, and as he believes is customary, and that the said water is heated in less than his usual time of boiling of worts for beer, and that without any application of fire to the vessel containing said water; to hold to him, his exors, admors, & asss, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at Westr, the 12th day of September, in the year above. By writ, &c.

HARDIE. 12th Sept. 1791.

1827. A grant unto FERGUSON HARDIE, of Weymouth Street, in the parish of Saint Mary-le-bone, in the county of Middlesex, gentleman, of his new invented improvement or improvements upon the construction of the machine used for mangling or pressing of linen, commonly called a mangle; to hold to him, his exors, admors, & asss, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at Westr, the 12th day of September, in the year above. By writ, &c.

SUMMERS. 6th October 1791.

1828. A grant unto JAMES SUMMERS, of Lawrence Hill, in the parish of Saint Georges, in the county of Gloucester, wheelwright, of his new invented method of constructing a steam engine, by which may be worked mills for grinding, rolling, cutting, turning, or any other sort of machine that can be wrought by water, with the greatest degree of uniformity, by a new invented figure called the sub supra, and others connected therewith, by which means this engine hath a superior power full three fourths above any of the common construction; to hold to him, his exors, admors, & asss, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at Westr, the 6th day of October, in the year above. By writ, &c.

SHARPLES. 12th October 1791.

1829. A grant unto JAMES SHARPLES, of Lansdown Place, Bath, in the parish of Walcot, in the county of Somerset, portrait painter, of his new invented methods of appropriating certain mechanical powers to the reduction of friction in shafts, pivots, gudgeons, cranks, rolers, axles, and axle-trees of every denomination; to hold to him, his exors, admors, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date hereof. W. H. M. at Westminster, the twelfth day of October, in the year above. By writ, &c.

LITHERLAND. 14th October 1791.

1830. A grant unto PETER LITHERLAND, of Latchford, near Warrington, in the county palatine of Chester, watch and watchmovement maker, of his new invented escapement, to be applied to watches or clocks, or dials called watches or clocks, for the use both of sea and land, which acts upon an entire new principle, producing greater certainty of time than any hitherto invented, being more simple and less liable to be out of repair, and when repaired effected with less danger to the mechanical principles on which it is constructed than former watches, &c; which he conceives will be of very great public utility, especially for ascertaining the longitude at sea, at much less expence than those now used; to hold to him, his executors, administrators, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date hereof. W. H. M. at Westminster, the fourteenth day of October, in the year above. By writ &c.

SMETHURST. 18th October 1791.

1831. A grant unto JAMES SMETHURST, of the borough of Southwark, in the county of Surry, tinplate worker, of his new invented art or method of making a new lamp and burner, and of making, moulding, and forming glass lenses; to hold to him, his exors, admors, & assigns, within Engd, Wales, & town of Berwick-upon-Tweed, and also within His Majesty's colonies and plantations abroad, for the term of 14 yrs pursuant to the statute; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at Westr, the 18th day of Octr, in the year above. By writ, &c.

STONE. 18th Oct. 1791.

1832. A grant unto WILLIAM STONE, of Rutland Place, Thames Street, in the city of London, coal merchant, of his new invented method of applying the heat arising from ovens in which coke is burnt or made to the distillation of volatile alkali, the evaporation of saline solution, the excication of chrystalline, and the sublimation of sal ammoniac, and a variety of other purposes; to hold to him, his exors, admors, & asss, within Engd, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at Westr, the 18th day of October, in the year above. By writ, &c.

BARBER. 31st Oct. 1791.

1833. A grant unto JOHN BARBER, of Attleborough, in the parish of Nuneaton, in the county of Warwick, gentleman, of his new invented method of using inflammable air for the purposes of procuring motion and facilitating metallurgical operations; to hold to him, his executors, admors, & asss, within England, Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at Westr, the 31st day of Octr, in the year above. By writ, &c.

BANKS. 31st October 1791.

1834. A grant unto RICHARD BANKS, of Dawley, in the county of Salop, engineer, of his new invented engine or machine for saving expence in sinking shafts on coal and other mines, and for lessening the risk of loss of coal, and danger attending the falling of the same from the top of such shafts; to hold to him, his exors, admors, and asss, within Engd, Wales, & town of Berwick-upon-Tweed for the term of 14 yrs pursuant to the statute; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at Westr, the 31st day of Octr, in the year above. By writ, &c.

ANTES. 3rd Nov. 1791.

1835. A grant unto JOHN ANTES, of Fulneck, near Leeds, in the county of York, gentleman, of his new improvement in all kinds of locks, latches, and bolts, that strike and catch by means of a spring; to hold to him, his exors, admors, & asss, within Engd, Wales, & town of Berwick-upon-Tweed for the term of 14 yrs pursuant to the statute; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at Westr, the 3d of November, in the year above. By writ, &c.

BATE. 26th Nov. 1791.

1836. A grant unto RICHARD BATE, of Little Hulton, near Bolton, in the county palatine of Lancaster, fustian weaver, of his new invented machine to pump water, and other useful purposes; to hold to him, his exors, admors, & asss, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at Westr, this 26th day of Novr, in the year above. By writ, &c.

SEARLES. 26th Nov. 1791.

1837. A grant unto JAMES STURMAN SEARLES, of Sheepyard, in the parish of Trinity, Minories, in the liberty of the Tower of London and in the county of Middlesex, gunsmith, of his new improvement or improvements on the

trigger of a gun, for the better discharging and securing of all sorts of fire arms in general; to hold to him, his exors, admors, & asss, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at Westr, the 26th day of November, in the year above. By writ, &c.

BENTHAM. 26th Nov. 1791.

1838. A grant unto SAMUEL BENTHAM, of Dover Street, Piccadilly, esqre, of his new invented mode of plaining wood, whereby superior accuracy is attained and labour saved; to hold to him, his exors, admors, & asss, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inrol the same within four calendar months from the date hereof. W. H. M. at Westr, the 26th day of November, in the year above. By writ, &c.

DAVISON. 26th Nov. 1791.

1839. A grant unto ROBERT DAVISON, of Bunhill Row, in the parish of Saint Luke, Old Street, in the county of Middlesex, of his new improved engine answering every purpose of a steam engine, to be worked with or without one horse, or other inferior force, and without fire, wind, or water; to hold to him, his exors, admors, & assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at Westr, the 26th day of Novr, in the year above. By writ, &c.

LEEDHAM. 26th Nov. 1791.

1840. A grant unto WILLIAM LEEDHAM, of Long Acre, in the county of Middlesex, coachmaker, of his improvement for preventing the splinter bars of wheel carriages from being out of ordor; to hold to him, his exors, admors, & asss, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at Westr, the 26th day of Novr, in the year above. By writ, &c.

LYDE. 28th Nov. 1791.

1841. A grant unto GEORGE LYDE, of Newman Street, in the parish of Saint Mary-le-bone, in the county of Midx, esqr, of his new improvement upon hats, called a luthern or India summer hat; to hold to him, his exors, admors, & asss, within England, Wales, & town of Berwick-upon-Tweed, and also within His Majesty's colonies and plantations abroad, for the term of 14 yrs pursuant to the statute; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at Westr, the 28th day of November, in the year above. By writ, &c.

OULD. 17th Dec. 1791.

1842. A grant unto HENRY OULD, of Dartmouth, in the county of Devon, mathematical instrument maker, of his improvement of the Hadley's quadrant and sextant, being an apparatus or instrument to be affixed thereto at pleasure, whereby a true, just, or effectual horizon can be artificially obtained, notwithstanding the real or natural horizon should be prevented from being seen by the interposition of land fogs or thick weather; to hold to him, his exors, admors, and asss, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at Westr, the 17th day of Decr, in the year above. By writ, &c.

HILL. 17th Dec. 1791.

1843. A grant unto ABRAHAM HILL, of Whiteley Wood, in the parish of Sheffield, in the county of York, saw maker, of his new method of making scythes with steel blades, and iron or steel backs fixed on with screws or pins; to hold to him, his exors, admors, & asss, within Engd, Wales, & town of Berwick-upon-Tweed for the term of 14 yrs pursuant to the statute; with a

clause to inrol y^e same within one calendar month from the date hereof. W. H. M. at West^r, the 17^th day of Dec^r, in the year above. By writ, &c.

PEACOCK. 23rd Dec. 1791.

1844. A grant unto JAMES PEACOCK, of Finsbury Square, in the parish of Saint Luke, in the county of Midx, architect, of his new method for the filtration of water and other fluids; to hold to him, his exors, admors, & ass^s, within Eng^d, Wales, & town of Berwick-upon-Tweed for the term of 14 y^rs pursuant to the statute; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at West^r, the 23^d day of December, in the year above. By writ, &c.

ECKHARDT. 16th Jan. 1792.

1845. A grant unto ANTHONY GEORGE ECKHARDT, of the parish of Saint Luke, at Chelsea, in the county of Middlesex, manufacturer, of his new method of laying on or imprinting grounds or coats of composition or paint upon sattin, silk, cotton, linen, velvet, leather, or any kind of cloth, stuff, or paper, for the receiving impressions of engraved copper plates in all sorts of colours, and for other purposes; to hold to him, his exors, admors, & ass^s, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at West^r, the 16^th day of January, in the year above. By writ, &c.

BOOTH. 23rd Jan. 1792.

1846. A grant unto JOSEPH BOOTH, of Lewisham, in the county of Kent, artist, of his new invented machine or apparatus, and certain chemical compositions, for the purpose of making various kinds of woollen cloths, linens, cottons, silks, hair, furs, muffs, hats, floor cloths, sail cloths, carpets, an imitation of leathers, wearing apparel, and furniture; to hold to him, his exors, admors, and ass^s, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inrol the same within four calendar months from the date hereof. W. H. M. at West^r, the 23^d day of January, in the year above. By writ, &c.

BUTTERY. 26th Jan. 1792.

1847. A grant unto GEORGE BUTTERY, of the parish of Saint Martin-in-the-Fields, in the county of Middlesex, musical instrument maker, of his new improvement in the construction of piano fortes and all other musical instruments in which hammers are or can be made use of, whereby such instruments will be more perfect in their kind than by any other method or construction hitherto discovered; to hold to him, his exors, admors, & ass^s, within Eng^d, Wales, & town of Berwick-upon-Tweed for the term of 14 y^rs pursuant to the statute; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at West^r, the 26^th day of Jañry, in the year above. By writ, &c.

SPILSBURY. 4th Feb. 1792.

1848. A grant unto FRANCIS SPILSBURY, of Soho Square, in the parish of Saint Ann, in the liberty of Westminster, in the county of Middlesex, chymist, of his new invented medicine called Spilsbury's antiscorbutic drops, which has proved an efficacious remedy for eradicating the most inveterate scorbutic disorders; to hold to him, his exors, admors, & ass^s, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at West^r, the 4^th day of February, in the year above. By writ, &c.

GARCKA. 4th Feb. 1792.

1849. A grant unto GEORGE GARCKA, of Wardour Street, Soho, in the county of Middlesex, musical instrument maker, of his new improvements on the piano forte, which will render that instrument more perfect than any now in use; to hold to him, his exors, admors, & ass^s, within Eng^d, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute;

with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at Westm^{r}, the 4th day of Feb^{r}y, in the year above.
By writ, &^{c}.

HIGGS. 11th Feb. 1792.

1850. A grant unto JOSEPH HIGGS, of the parish of Saint Margaret, Westminster, in the county of Middlesex, joiner, of his new invented bedstead on a new construction, which he conceives will be much more convenient than any hitherto discovered, the same being much more portable, effectually prevents the harbouring of all noxious vermin, and may be put up, taken down, and removed with great ease and expedition by any servant, either male or female ; to hold to him, his ex̃ors, adm̃ors, & ass^{s}, within Eng^{d}, Wales, & town of Berwick-upon-Tweed for the term of 14 y^{rs} pursuant to the statute ; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at West^{r}, the 11th day of Feb^{r}y, in the year above.
By writ, &^{c}.

BARBOR. 11th Feb. 1792.

1851. A grant unto WILLIAM BARBOR, of Long Acre, in the parish of Saint Martin-in-the-Fields, in the county of Middlesex, coachmaker, of his new invented machinery for the purpose of hanging of doors and windows, or lights, in a manner entirely new, particularly those of coaches, chariots, and other carriages ; to hold to him, his ex̃ors, adm̃ors, & ass^{s}, within Eng^{d}, Wales, & town of Berwick-upon-Tweed for the term of 14 y^{rs} pursuant to the statute ; with a clause to inrol the same within three calendar months from the date hereof. W. H. M. at West^{r}, the 11th day of Feb^{r}y, in the year above.
By writ, &^{c}.

WILSON. 11th Feb. 1792.

1852. A grant unto GEORGE WILSON, of the parish of Saint Martin-in-the-Fields, in the county of Middlesex, engraver, of his new invented instrument, which he calls the Post and commercial time marker, calculated to detect and prevent fraud and delay in the delivery of letters, pacquets, and other parcels, and thereby give dispatch to business, as it operates as a compleat check against all artful or delatory persons intrusted with the conveyance of such articles ; to hold to him, his ex̃ors, adm̃ors, & ass^{s}, within Eng^{d}, Wales, & town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at West^{r}, the 11th day of Feb^{r}y, in the year above.
By writ, &^{c}.

BUCHAN. 13th Feb. 1792.

1853. A grant unto ALEXANDER BUCHAN, of Aberdeen, in North Britain, frame smith, of his new invented stocking frame, on principles entirely new, contrived in a more simple, safe, and expeditious manner, both for plain and ribbed work, than any hitherto known ; to hold to him, his ex̃ors, adm̃ors, and assigns, within Eng^{d}, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute ; with a clause to inrol the same within one calendar month from the date hereof. Witness His Majesty at West^{r}, the 13th day of Feb^{r}y, in the year above. By writ, &^{c}.

HEGNER. 27th Feb. 1792.

1854. A grant unto JEAN RUDOLF HEGNER, late of New Round Court, in the Strand, but now of Artillery Street, Spital Fields, in the county of Middlesex, gentleman, of his new invented pipe without a seam, made of flaxen yarn, for conveying water from engines, and for all other purposes wherein leather and other pipes have been hitherto used ; to hold to him, his ex̃ors, adm̃ors, & ass^{s}, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute ; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at Westminster, the 27th day of Feb^{ry}, in the year above. By writ, &^{c}.

WILLOUGHBY. 27th Feb. 1792.

1855. A grant unto FRANCES WILLOUGHBY, of Apsley, in the parish of Radford, in the county of Nottingham, spinster, of her new invented or machine for thrashing of corn; to hold to her, her exors, admors, & ass^{s}, within Eng^{d}, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at West^{r}, the 27th day of Febry, in the year above. By writ, &^{c}.

WEBSTER. 2nd March 1792.

1856. A grant unto ROBERT WEBSTER, of Shrewsbury, in the county of Salop, clockmaker, of his new invented mill or machine, on an entire new construction, for the purpose of washing and cleansing every article which has hitherto been washed by hand, in a much more expeditious and less expensive manner than by any other machine or method hitherto discovered; to hold to him, his exors, admors, & ass^{s}, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at West^{r}, the 2^{d} day of March, in the year above. By writ, &^{c}.

WILKINSON. 2nd March 1792.

1857. A grant unto JOHN WILKINSON, of Broseley, in the county of Salop, iron master, of his new improved and expeditious method of rolling or flatting of iron and other metals by means of steam engines or any other power; to hold to him, his exors, admors, & ass^{s}, within Eng^{d}, Wales, and town of Berwick-upon-Tweed, for the term of 14 years pursuant to the statute; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at West^{r}, the 2^{d} day of March, in the year above. By writ, &^{c}.

BURN. 2nd March 1792.

1858. A grant unto JAMES BURN, of Alnwick, in the county of Northumberland, hatter, of his new invented composition for the making of hats; to hold to him, his exors, admors, & ass^{s}, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at West^{r}, the 2^{d} day of March, in the year above. By writ, &^{c}.

TATE. 2nd March 1792.

1859. A grant unto JAMES TATE, of Oxford Street, in the parish of Saint Mary-le-bone, in the county of Middlesex, ironmonger, of his new invented machine, with utensils for cooking, on improved principles; to hold to him, his exors, admors, & ass^{s}, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at West^{r}, the 2^{d} day of March, in the year above. By writ, &^{c}.

WOOD. 15th March 1792.

1860. A grant unto SUTTON THOMAS WOOD, of the city of Oxford, brewer, of his new invented improvements in the weaving engine or machine, so as to render the weaving engine or machine capable of being worked by or connected to any of those engines worked by the power of wind, water, steam, fire, or air, and also of being worked by or connected to those engines or machines worked by the power of the horse or any other given power; with also certain new improvements of the weaving engine or machine, where the force of manual labour only is applied; to hold to him, his exors, admors, and assigns, within England, Wales, and town of Berwick-upon-Tweed, for the term of 14 years pursuant to the statute; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at West^{r}, the 15th day of March, in the year above. By writ, &^{c}.

WARD. 15th March 1792.

1861. A grant unto CHARLES WILLIAM WARD, of Hatton Garden, in the county of Middlesex, gentleman, of his new invented method of changing the smoke or vapour arising from the combustion of many kinds of substances into various useful materials, according to the substances burnt; to hold to him, his exors, admors, & ass^{s}, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at West^{r}, the 15th day of March, in the year above. By writ, &^{c}.

FEUILLADE. 29th March 1792.

1862. A grant unto LEWIS FEUILLADE, of the parish of Saint Ann, Soho, in the county of Middlesex, mechanist, of his new invented art or method of constructing a machine which, with the application of a very inconsiderable proportionate power, and with great expedition, will brake and remove rocks and other impediments to navigation, raise ships and other things which are sunk, cut canals and also roads or ways through high hills or mountains, cleanse and deepen harbours and ports, and which may be advantageously adapted to many other occasions where great force is required; to hold to him, his exors, admors, & assigns, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at West^{r}, the 29th day of March, in the year above. By writ, &^{c}.

ROBINSON. 29th March 1792.

1863. A grant unto JAMES HERRING ROBINSON, of Whitby, in the county of York, gentleman, of his new improvement in the process of making of allum, whereby that article will be produced without injuring the quality much cheaper than by any mode hitherto produced; to hold to him, his exors, admors, & ass^{s}, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at West^{r}, the 29th day of March, in the year above. By writ, &^{c}.

GOWER. 5th April 1792.

1864. A grant unto CHARLES GOWER, of Oriel College, Oxford, master of arts, of his new invented method of depurating and improving animal oil; to hold to him, his exors, admors, & ass^{s}, within Eng^{d}, Wales, & town of Berwick-upon-Tweed, and also within His Majesty's colonies & plantations abroad, for the term of 14 y^{rs} pursuant to the statute; with a clause to inrol the same within six calendar months from the date hereof. W. H. M. at West^{r}, the 5th day of April, in the year above. By writ, &^{c}.

MANTON. 18th April 1792.

1865. A grant unto JOSEPH MANTON, of Davies Street, Berkeley Square, in the parish of Saint George, Hanover Square, in the county of Middlesex, gun maker, of his new invented hammer, on an improved principle, for the locks of all kinds of fire arms, and also an improved breech for all kinds of double and single barrell'd guns and pistols; to hold to him, his exors, admors, & ass^{s}, within England, Wales, & town of Berwick-upon-Tweed, for the term of 14 years pursuant to the statute; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at West^{r}, the 18th day of April, in the year above. By writ, &^{c}.

GEIB. 18th April 1792.

1866. A grant unto JOHN GEIB, of Tottenham Court Road, in the county of Middlesex, organ builder and musical instrument maker, of his new invented musical instrument, to be played upon with the fingers in the same manner as a piano forte; to hold to him, his exors, admors, & ass^{s}, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at West^{r}, the 18th day of April, in the year above. By writ, &^{c}.

PITTS.
STRODE.
18th April 1792.

1867. A grant unto MATTHEW PITTS, captain in the Royal corps of Engineers, and THOMAS STRODE, of the parish of Saint Mary, Lambeth, in the county of Surry, engine maker, of their new invented steam engine, upon an entire new construction, calculated to save a considerable expense as well in the erection as in the article of fuel; to hold to them, their exors, admors, & ass^{s}, within Eng^{d}, Wales, & town of Berwick-upon-Tweed for the term of 14 y^{rs} pursuant to the statute; with a clause to inrol y^{e} same within one calendar month from y^{e} date hereof. W. H. M. at West^{r}, the 18th day of April, in y^{e} year above. By writ, &^{c}.

JENNER.
18th April 1792.

1868. A grant unto STEPHEN JENNER, gentleman, of Burbage, in the county of Wilts, of his new invented escape for horses, by means of which they can disengage themselves from their halters when entangled therein; to hold to him, his exors, admors, and ass^{s}, within Eng^{d}, Wales, & town of Berwick-upon-Tweed for the term of 14 y^{rs} pursuant to the statute; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at West^{r}, the 18th day of April, in the year above. By writ, &^{c}.

LUCAS.
18th April 1792.

1869. A grant unto SAMUEL LUCAS, of the town of Sheffield, in the West Riding of the county of York, refiner, of his new invented method of bringing iron ore & also calx of iron into a metallic state without first rendering either of them fluid; to hold to him, his exors, admors, & ass^{s}, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inrol y^{e} same within one calendar month from the date hereof. W. H M. at West^{r}, y^{e} 18th day of April, in y^{e} year above. By writ, &^{c}.

BURMAN.
18th April 1792.

1870. A grant unto SAMUEL BURMAN, of Brackley, in the county of Northampton, shoemaker, of his new invented lap half boot, much neater and more easy and convenient to the wearer than the half boots now in use; to hold to him, his exors, admors, & ass^{s}, within Eng^{d}, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at West^{r}, the 18th day of April, in the year above. By writ, &^{c}.

DANIEL.
25th April 1792.

1871. A grant unto JAMES DANIEL, of Stockport, in the county of Chester, hat manufacturer, of his new invented machine for the more speedy felting and making of hats; to hold to him, his exors, admors, & ass^{s}, within Eng^{d}, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at West^{r}, the 25th day of April, in the year above. By writ, &^{c}.

TAYLOR.
TAYLOR.
25th April 1792.

1872. A grant unto CLEMENT TAYLOR and GEORGE TAYLOR, both of Maidstone, in the county of Kent, esq^{rs}, of their new invented method of decomposing or removing all sorts of colours in linens and cottons, and for whiteing all other kinds of linens and cottons in different stages of the paper manufactory; to hold to them, their exors, admors, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inrol the same within six calendar months from the date hereof. W. H. M. at West^{r}, the 25th day of April, in the year above. By writ, &^{c}.

SMART.
26th April 1792.

1873. A grant unto JAMES SMART, of Emsworth, in the parish of Warblington, in the county of Southampton, blacksmith, of his new invented method of making a plough share and share bed, and when used in a plough will save great expence and labour in agriculture; to hold to him, his exors,

admors, & ass^{s}, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at West^{r}, the 26th day of April, in the year above. By writ, &^{c}.

PRIMEROSE. 3rd May 1792.

1874. A grant unto ANDREW PRIMEROSE, of the parish of Lambeth, in the county of Surry, gardener, of his new invented machine for manufacturing all sorts of feathers into men and womens hats, head dresses, muffs, tippets, and shoes; to hold to him, his exors, admors, and assigns, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 y^{rs} pursuant to the statute; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at West^{r}, the 3^{d} day of May, in the year above. By writ, &^{c}.

ASHLEY. 12th May 1792.

1875. A grant unto JOHN ASHLEY, of the parish of Saint Mary, Islington, in the county of Middlesex, plumber, of his new invented self acting water closet, which constantly keeps itself sweet and clean, and is upon a more simple construction than any other hitherto discovered; to hold to him, his exors, admors & ass^{s}, within England, Wales, and town of Berwick-upon-Tweed, for the term of 14 years pursuant to the statute; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at West^{r}, the 12th day of May, in the year above. By writ, &^{c}.

CARTWRIGHT. 15th May 1792.

1876. A grant unto EDMUND CARTWRIGHT, of Doncaster, in the county of York, master of arts, of his new invented improvements upon and additions to machinery by him already invented (and for which he hath at sundry times obtained Letters Patent) for manufacturing and fabricating wool, hemp, flax, silk, hair, and cotton from the raw state of each respective article till made into yarn, twist, cords, ropes, and cables, and till perfected in the loom, and cut for raising a pile; to hold to him, his exors, admors, and ass^{s}, within Eng^{d}, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at West^{r}, the 15th day of May, in the year above. By writ, &^{c}.

WHITMORE. 15th May 1792.

1877. A grant unto WILLIAM WHITMORE, of Birmingham, in the county of Warwick, engineer, of his new invented instrument, engine, or machine, for the purpose of mashing malt and other grain, to be worked by steam, water, wind, horses, or other powers; to hold to him, his exors, admors, & ass, within Eng^{d}, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at West^{r}, the 15th day of May, in the year above. By writ, &c.

MASON. 15th May 1792.

1878. A grant unto ROBERT MASON, of Chipping Sodbury, in the county of Gloucester, surgeon and apothecary, of his new invented medicine for the effectual extirpation of worms and their cause from the human body in persons of all ages, as also for the relief and cure of divers other complaints and diseases; to hold to him, his exors, admors, & ass^{s}, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at West^{r}, the 15th day of May, in the year above. By writ, &^{c}.

KELLY. 15th May 1792.

1879. A grant unto WILLIAM KELLY, of Lanark, in North Britain, cotton spinner, of his new invented constructed machinery, to be applied to spinning machines, for the purpose of conducting the process of spinning in a much more expeditious and less expensive manner than by any mode hitherto

discovered ; to hold to him, his exors, admors, & assˢ, within Engᵈ, Wales, & town of Berwick-upon Tweed for the term of 14 years pursuant to the statute ; with a clause to inrol the same within six calendar months from the date hereof. W. H. M. at Westʳ, the 15th day of May, in the year above. By writ, &c.

BARBER. 15th May 1792.

1880. A grant unto ROBERT BARBER, of Bilborough, in the county of Nottingham, gentleman, of his machine, on an entire new construction, for making and manufacturing lace work, fish netts, garden netts, horse netts, rabbit netts, and game netts, in gold, silver, brass, iron, silk, mohair, cotton, thread, worsted, yarn, and hemp ; to hold to him, his exors, admors, & assˢ, within Engᵈ, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute ; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at Westʳ, the 15th day of May, in the year above. By writ, &c.

HAYES. 19th May 1792.

1881. A grant unto THOMAS HAYES, of Wood Street, in the parish of Saint Alphage, Saint Giles's, Cripplegate, within the city of London, callico glazier, of his new invented improvement or improvements upon the construction of the machine usually called a mangle, for the pressing of linen and other articles ; to hold to him, his exors, admors, & assˢ, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute ; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at Westʳ, the 19th day of May, in the year above. By writ, &c.

HARRISON. 21st May 1792.

1882. A grant unto JOHN HARRISON, of Newgate Street, in the city of London, printer, of his new invented engine, on an entire new construction, for completly washing and cleansing every article which has hitherto been washed by hand, or otherwise, in a more expeditious and effectual and less expensive manner than by any other machine or method hitherto discovered ; to hold to him, his exors, admors, & assˢ, within Engᵈ, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute ; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at Westʳ, the 21st day of May, in the year above. By writ, &c.

FREARSON. 21st May 1792.

1883. A grant unto DAVID FREARSON, of Liverpoole, in the county palatine of Lancaster, merchant, of his new improved machinery and operations for the purpose of saving fuel in the process of evaporating water from solutions of salts, the waste or cast off leys of soap makers, and which may be applicable on other occasions where evaporation or a seperation of water, forming either wholly or in part a dissolving fluid, from the substance or substances held in solution is required ; to hold to him, his exors, admors, & assˢ, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute ; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at Westʳ, the 21st day of May, in the year above. By writ, &c.

THOMPSON. 25th May 1792.

1884. A grant unto FRANCIS THOMPSON, of Ashover, in the county of Derby, engineer, of his new invented steam engine upon an improved construction and principle ; to hold to him, his exors, admors, & assˢ, within Engᵈ, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute ; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at Westʳ, the 25th day of May, in the year above. By writ, &c.

MARCH.
25th May 1792.

1885. A grant unto JOHN MARCH, of Knightsbridge, in the parish of Saint Margaret, Westminster, in the county of Middlesex, surgeon dentist, of his new invented coach, chariot, landau, berlin, phaeton, post chaise, one horse chaise, and caravan, upon a new construction, the bodies of which cannot overturn, and which in other respects are more safe and convenient for travelling than any carriages now in use; to hold to him, his exors, admors, & ass^{s}, within Eng^{d}, Wales, & town of Berwick-upon-Tweed for the term of 14 y^{rs} pursuant to the statute; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at West^{r}, the 25th day of May, in the year above. By writ, &^{c}.

VULLIAMY.
6th June 1792

1886. A grant unto BENJAMIN VULLIAMY, of Pall Mall, in the parish of Saint James, in the county of Middlesex, clock maker, of his new invented improvements in the building of two wheel carriages, together with applicable improvements in the harness to be used for the horse or horses drawing such two wheel carriages, by which means those carriages will be more difficult to be overturned, and at the same time more easy and pleasant in their motion, than any other two wheel or four wheel carriage hitherto invented; to hold to him, his exors, admors, & ass^{s}, within Eng^{d}, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at West^{r}, the 6th day of June, in the year above. By writ, &^{c}.

DAVIS.
6th June 1792.

1887. A grant unto JAMES DAVIS, of Tottenham Court Road, in the parish of Saint Pancras, in the county of Middlesex, organ builder, of his new invented improvement upon the several musical instruments called piano fortes and harpsichords, which will render the same more perfect and complete than any now in use; to hold to him, his exors, admors, & ass^{s}, within Eng^{d}, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at West^{r}, the 6th day of June, in the year above. By writ, &^{c}.

BOOTH.
12th June 1792.

1888. A grant unto JOSEPH BOOTH, of Lewisham, in the county of Kent, artist, of his new invented machine or apparatus, and certain chemical compositions & processes, for the purpose of making, manufacturing, and compleating, in a manner entirely new, various kinds of woollen and other cloths, linens, cottons, silks, muffs, hatts, and other parts of wearing apparel, floor cloths, sail cloths, carpets, an imitation of or substitute for leather, particularly adapted for making of ladies' and gentlemen's gloves, and a great variety of other articles, in the manufacture of many of which divers materials or substances are made use of which have never before been used or applied for those purposes; to hold to him, his exors, admors, & ass^{s}, within Eng^{d}, Wales, & town of Berwick-upon-Tweed, and also within His Majesty's colonies and plantations abroad, for the term of 14 years pursuant to the statute; with a clause to inrol the same within 14 calendar months from the date hereof. Witness His Majesty at Westminster, the 12th day of June, in the year above. By writ, &^{c}.

LITHERLAND.
12th June 1792.

1889. A grant unto PETER LITHERLAND, of Liverpool, in the county of Lancaster, watch and watch movement maker, of his new invented improvements on watches, particularly on his escapement, to be applied to watches and clocks, for which escapements he has obtained Letters Patent; by which improvements watches are made by him to beat once only in a second of time, and also to point dead seconds from its own principal, and may be made to go one year or longer without winding up, and for other useful purposes;

and especially for ascertaining the longitude at sea, and also in astronomical observations ; to hold to him, his exors, admors, & ass^{s}, within Eng^{d}, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute ; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at West^{r}, the 12th day of June, in the year above. By writ, &c.

SILVESTER. 14th June 1792.

1890. A grant unto GEORGE SILVESTER, of Mark Lane, in the city of London, millwright, of his new invented improvement in the construction of wind and water mills, whereby their power is encreased to a much greater degree than has hitherto been effected; to hold to him, his exors, admors, & ass^{s}, within England, Wales, and town of Berwick-upon-Tweed, and also within His Majesty's colonies and plantations abroad, for the term of 14 years pursuant to the statute ; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at West^{r}, the 14th day of June, in the year above. By writ, &c.

FULLARTON. 19th June 1792.

1891. A grant unto WILLIAM FULLARTON, of Fullarton, in the county of Ayr, in that part of Great Britain called Scotland, esq^{r}, of his new invented methods of separating iron from iron stones and other ores of that metal, of smelting it into the state of pig or cast iron, and of reducing or refining it into the state of malleable or forged iron, and which will tend to reduce the price and improve the quality of that most useful metal; to hold to him, his exors, admors, & ass^{s}, within England, Wales, & town of Berwick-upon-Tweed, and also within His Majesty's colonies and plantations abroad, for the term of fourteen years pursuant to the statute; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at West^{r}, the 19th day of June, in the year above. By writ, &c.

WELDON. 19th June 1792.

1892. A grant unto ROBERT WELDON, of the city of Litchfield, engineer, of his new invented machine or contrivance for conveying vessels or other weights from an upper to a lower, or a lower to an upper level, orncanals without any material loss of water, and for raising or lowering great weights in other requisite situations, and which will be of great public utility on navigations and otherwise ; to hold to him, his exors, admors, & ass^{s}, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute ; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at West^{r}, the 19th day of June, in the year above. By writ, &c.

MANTON. 5th July 1792.

1893. A grant unto JOSEPH MANTON, of Davies Street, in the parish of Saint George, Hanover Square, in the county of Middlesex, gunmaker, of his new invented trigger, on an improved principle, for all kinds of double and single barrelled guns and pistols ; also an improved wadding for all kinds of guns and pistols ; to hold to him, his exors, admors, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute ; with a clause to inrol the same within one calendar month from the date hereof. Witness His Majesty at Westminster, the fifth day of July, in the year above. By writ, &c.

LE BROCQ. 5th July 1792.

1894. A grant unto PHILIP LE BROCQ, of N^{o} 3, Lambs Buildings, Temple, clerk, master of arts, of his new invented portable mangle or machine for mangling, smoothing, and pressing all kinds of manufactured silks, linens, cottons, woolens, papers, and wearing apparel, and every other thing which it may be necessary to smooth, press, or mangle ; to hold to him, his exors, admors, & ass^{s}, within Eng^{d}, Wales, & town of Berwick-upon Tweed for the term of 14 years pursuant to the statute ; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at West^{r}, the 5th day of July, in the year above. By writ, &c.

GOWER.
5th July 1792.

1895. A grant unto RICHARD HALL GOWER, of Edmonton, in the county of Middlesex, mariner in the service of the East India Company, of his new invented perpetual log, or instrument for measuring a vessel's way through the water, and for ascertaining the rate of sailing for any instant of time; to hold to him, his exors, admors, & ass^{s}, within Eng^{d}, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at West^{r}, the 5th day of July, in the year above. By writ, &c.

ATHERTON.
5th July 1792.

1896. A grant unto PETER ATHERTON, of Hunter Street, Liverpool, in the county of Lancaster, engine maker, of his new invented machine for twisting, winding, & doubling silk, cotton, and wool, and which will be of great utility in the manufactories of silk, cotton, and wool; to hold to him, his exors, admors, & ass^{s}, within Eng^{d}, Wales, & town of Berwick-upon-Tweed, and also within His Majesty's colonies and plantations abroad, for the term of 14 years pursuant to the statute; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at West^{r}, the 5th day of July, in the year above. By writ, &c.

WILLSON.
5th July 1792.

1897. A grant unto JAMES WILLSON, of the parish of Saint Martin-in-the-Fields, in the county of Middlesex, esq^{r}, of his new invented improvement in the construction of fire arms, whereby the powder will be much more conveniently protected from the effects of bad weather, and at less expense, than by any method hitherto discovered; to hold to him, his exors, admors, & ass^{s}, within England, Wales, & town of Berwick-upon-Tweed, for the term of 14 years pursuant to the statute; with a clause to inrol the same within six calendar months from the date hereof. W. H. M. at West^{r}, the 5th day of July, in the year above. By writ, &c.

MENISH.
5th July 1792.

1898. A grant unto WILLIAM MENISH, of the parish of Saint Mary, White Chapel, in the county of Middlesex, chymist, of his new improved method or process of making and manufacturing of sal ammoniac, and glauber and other salts, for all commercial purposes; to hold to him, his exors, admors, & ass^{s}, within Eng^{d}, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inrol the same within three calendar months from the date hereof. W. H. M. at West^{r}, the 5th day of July, in the year above. By writ, &c.

COLLINGE.
17th July 1792.

1899. A grant unto JOHN COLLINGE, of Buxton Place, in the parish of Saint Mary, Lambeth, in the county of Surry, wheel box and axletree maker, of his new invented improvement in and upon carriage and other wheel boxes and axletrees, which will considerably lessen the draught and friction, be more durable and less liable to be out of order than any others now in use; to hold to him, his exors, admors, & ass^{s}, within Eng^{d}, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at West^{r}, the 17th day of July, in the year above. By writ, &c.

RYMER.
24th July 1792.

1900. A grant unto JAMES RYMER, of Reigate, in the county of Surry, surgeon and apothecary, of his new invented medicine, which he calls the cardiac and nervous tincture, which, from great experience of its virtues and effects, he firmly believes will be of vast public utility in relieving and curing the following disorders and complaints, viz^{t}: 1st, Disorders of the head, stomach, and bowels, as 1st, headache, with derangement of thought, confusion of the mental faculties, and giddiness; 2nd, dyspepsy or indigestion, and loss of appetite, attended with bilious crudities and retchings, yellowness of the

eyes and skin, flatulence, pain, spasms, heartburn, and hiccups ; 3d, gripings, cholic, and costiveness : secondly, all the symptoms of the atonic or flyling gout, dangerously affecting the vital and animal functions : thirdly, all such affections of the nervous system as are attended with depression of spirits, paralytic and apoplectic dispositions, prostration of strength, timidity, tremors, startings, palpitations and faintings, commonly called fits ; fourthly, to brace and strengthen the muscular & vascular systems in states of relaxation and debility : lastly, as a most powerful antiseptic and corroborant in counteracting infection or preventing and curing putrid, malignant, and pestilential fevers prevailing in prisons, crouded filthy places, hospitals, ships, hot and unhealthy climates, &c ; to hold to him, his exors, admors, and ass^{s}, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute ; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at West^{r}, the 24th day of July, in the year above. By writ, &c.

HOLLAND. 24th July 1792.

1901. A grant unto GEORGE HOLLAND, of the parish of Saint Andrew, Holborn-above-Bars, in the county of Midx, frame work knitter, of his new invented method of manufacturing and improving hosiery and various other articles for cloathing and coverings ; to hold to him, his exors, admors, & ass^{s}, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute ; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at West^{r}, the 24th day of July, in the year above. By writ, &c.

TUCKER. 24th July 1792.

1902. A grant unto JAMES TUCKER, of Old Store Street, in the parish of Saint Giles-in-the-Fields, in the county of Middlesex, smith, of his new invented improved register stove, whereby the fire can be removed back little or much at pleasure, or wholly extinguished, and that without making any dust or disturbance in the room, and is also a great security against accidents happening by fire ; to hold to him, his exors, admors, & ass^{s}, within Eng^{d}, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute ; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at West^{r}, the 24th day of July, in the year above. By writ, &c.

RUMSEY. 24th July 1792.

1903. A grant unto JAMES RUMSEY, of Falcon Stairs, Black Friars, in the county of Surry, engineer, of his new invented methods of raising water and other fluids, or applying their force to the purposes of milling, or giving advantageous motion or effect to various machines and engines ; to hold to him, his exors, admors, & ass^{s}, within England, Wales, and town of Berwick-upon-Tweed, and also within His Majesty's colonies and plantations abroad, for the term of 14 years pursuant to the statute ; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at West^{r}, the 24th day of July, in the year above. By writ, &c.

MARCH. 28th July 1792.

1904. A grant unto RICHARD MARCH, of Barnstaple, in the county of Devon, manufacturer, of his new invented improvement upon the butter churn, for the more expeditious making of butter, and preventing its becoming rancid or oily in the process ; to hold to him, his exors, admors, & ass^{s}, within Eng^{d}, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute ; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at West^{r}, the 28th day of July, in the year above. By writ, &c.

LONGBOTHAM. 28th July 1792.

1905. A grant unto JOHN LONGBOTHAM, of Chorley, in the county of Lancaster, engineer, of his new invented plan or method of supplying canals,

or any other cuts, ponds, or sluices wanting the same, with water, which plan is grounded upon philosophical, mechanical, & mathematical principles, and by which may be conveyed a certain quantity of water per day, more or less, into any canal, cut, pond, or sluice from one to 15 miles distance from such canal, cut, pond, or sluice, and will be particularly useful to manufacturing countries and places where water is scarce and much wanted to supply such canals, cuts, ponds, or sluices already or hereafter to be made; to hold to him, his exors, admors, & ass^{s}, within Eng^{d}, Wales, & town of Berwick-upon-Tweed for the term of 14 y^{rs} pursuant to the statute; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at West^{r}, the 28th day of July, in y^{e} year above. By writ, &^{c}.

HODSON. 30th August 1792.

1906. A grant unto GEORGE HODSON, of the city of Chester, soap boiler, of his new invented method of seperating the fosil or mineral alkali from the muriatic acid as it exists in common salt, and also in seperating the fosil or mineral alkali from the common salt as it exists in kelp; to hold to him, his exors, admors, & ass^{s}, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 y^{rs} pursuant to the statute; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at West^{r}, the 30th day of August, in the year above. By writ, &^{c}.

ARMITAGE. 7th Sept. 1792.

1907. A grant unto WILLIAM ARMITAGE, of Charles Street, in the parish of Saint Mary-le-bone, in the county of Middlesex, furnishing ironmonger, of his new invented kitchen ranges, stoves, and grates upon an improved construction, calculated to produce a greater heat without any extraordinary consumption of fuel than any now in use, & whereby the fire may be more safely & expeditiously extinguished than hath hitherto been effected; to hold to him, his executors, admors, & assigns, within Eng^{d}, Wales, & town of Berwick-upon-Tweed, for the term of 14 y^{rs} pursuant to the statute; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at West^{r}, the 7th day of September, in the year above.

By writ, &^{c}.

SMITH. 7th Sept. 1792.

1908. A grant unto JAMES SMITH, of Birmingham, in the county of Warwick, buckle maker, of his new invented improvement in the construction of fastenings for shoes and spurs, and which may be applied to many other purposes where buckles are made use of, as well as other useful purposes; to hold to him, his exors, admors, & ass^{s}, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at West^{r}, the 7th day of September, in the year above.

By writ, &^{c}.

MUNNS. 10th Oct. 1792.

1909. A grant unto JOHN MUNNS, of Low Layton, in the county of Essex, gentleman, of his new invented instrument, called a carriage trumpet, upon principles entirely new; to hold to him, his exors, admors, and assigns, within England, Wales, & town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date hereof. W. H. M. at Westminster, the tenth day of October, in the year above. By writ, &^{c}.

WILLIAMSON. 18th Oct. 1792.

1910. A grant unto WILLIAM WILLIAMSON, of Whitehaven, in the county of Cumberland, clerk, of his new invented fire or steam engine for draining and working of mines, for working any kind of mills, turning any kind of wheels, or raising of water; to hold to him, his executors, administrators, and assigns, within England, Wales, and town of Berwick-upon-Tweed for

the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date hereof. W. H. M. at Westminster, the eighteenth day of October, in the year above.

By writ, &c.

MARCH. 18th Oct. 1792.

1911. A grant unto RICHARD MARCH, of Barnstaple, in the county of Devon, manufacturer, of his new invented improvement upon the butter churn, for the more expeditious making of butter, and preventing it becoming rancid or oily in the process; to hold to him, his exors, admors, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within one calendar month from the date hereof. W. H. M. at Westminster, the eighteenth day of October, in the year above. By writ, &c.

SLEATH. 18th Oct. 1792.

1912. A grant unto JOHN SLEATH, of Fleet Street, in the city of London, trussmaker, of his new invented improvement in the manufacturing springs for trusses and the coverings thereof, and which method of manufacturing springs may be applied to steel backs and other useful purposes, and which may be worn for years in the hottest climate without sustaining the least injury unless by particular violence or accident; to hold to him, his exors, admors, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date hereof. W. H. M. at Westminster, the eighteenth day of October, in the year above.

By writ, &c.

MILLER. 26th Oct. 1792.

1913. A grant unto SAMUEL MILLER, of Booth Court, in the parish of Saint Mary-le-bone, in the county of Middlesex, engraver, of his new invented machine for raising all kinds of heavy goods in a shorter time and with less force than at present practised; to hold to him, his exors, admors, & ass^{s}, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 y^{rs} pursuant to the statute; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at West^{r}, the 26th day of October, in the year above. By writ, &c.

GUEST. 30th Oct. 1792.

1914. A grant unto BARNETT GUEST, of London Road, Saint George's Fields, in the county of Surrey, gentleman, of his new invented method of making and manufacturing shoes and boots, with soles made of common sole leather prepared by him for that purpose, by a particular process, which will render such soles much more durable than those now in common use; and which said shoes and boots are to be fastened with spring fastenings of a peculiar construction, so contrived as to cause them to sit better and closer on the foot and leg, and be much easier to the wearer, than any now in use; to hold to him, his exors, admors, & ass^{s}, within Eng^{d}, Wales, and town of Berwick-upon-Tweed for the term of 14 y^{rs} pursuant to the statute; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at West^{r}, the 30th day of October, in the year above.

By writ, &c.

LUCAS. 30th Oct. 1792.

1915. A grant unto EDWARD LUCAS, of the town of Sheffield, in the West Riding of the county of York, iron master, of his new invented method of fusing ores, metals, and calx of metals, whereby a considerable saving is made in fuel and labour; to hold to him, his exors, admors, & ass^{s}, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 y^{rs} pursuant to the statute; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at West^{r}, the 30th day of October, in the year above. By writ, &c.

BROWN. 2nd Nov. 1792.

1916. A grant unto JAMES BROWN, of Pately Bridge, in the county of York, clock and watch maker, of his new invented engine, machine, or instrument, for cutting all kinds of fustian and other goods made or consisting of cotton, silk, or woollen, or any mixture thereof; to hold to him, his exors, admors, & ass^{s}, within Eng^{d}, Wales, & town of Berwick-upon-Tweed for the term of 14 y^{rs} pursuant to the statute; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at West^{r}, the 2^{d} day of November, in the year above. By writ, &^{c}.

TESCHEMACHER. 6th Nov. 1792.

1917. A grant unto JOHN ROGER TESCHEMACHER, of the parish of Carbrough, in the county of Nottingham, gentleman, of his new invented machine for improving the present mode of spinning and roving wool, silk, cotton, flax, hemp, and other materials, which, by adapting the simplest principle of the present expensive and complicated roving jacks or dicks to the spinning frames now in use (in lieu of the common spindle), and by winding the threads horizontally upon the bobbins, added to its compactness and other desirable properties, keeps the threads from breaking down, requires the attendance of fewer hands, saves the raw materials, which in the present methods of spinning are greatly wasted, prevents the frames from being clogged up, does not exceed in price the present cost of common spindles, and will greatly reduce the price of new spinning frames, by discontinuing therein the expensive part which produces the heart motion; to hold to him, his exors, admors, & ass^{s}, within Eng^{d}, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at West^{r}, the 6th day of Nov^{r}, in the year above. By writ, &^{c}.

CLAY. 20th Nov. 1792.

1918. A grant unto HENRY CLAY, of Birmingham, in the county of Warwick, japanner, of his new invented method of manufacturing pannels for coaches and other carriages, also for tables, cabinets, pictures, and other furniture; to hold to him, his exors, admors, & ass^{s}, within Eng^{d}, Wales, & town of Berwick-upon-Tweed for the term of 14 y^{rs} pursuant to the statute; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at West^{r}, the 20th day of November, in the year above. By writ, &^{c}.

HUNCLASS. 28th Nov. 1792.

1919. A grant unto SAMUEL YOUNG HUNCLASS, of the parish of Saint Martin-in-the Fields, in the city of Westminster & county of Middlesex, japanner, of his new invented improvement in the construction of canopy, cieling, windup, or drawup bedsteads, with or without bedding or furniture, for the purpose of obtaining room; to hold to him, his exors, admors, & ass^{s}, within Eng^{d}, Wales, & town of Berwick-upon Tweed for the term of 14 y^{rs} pursuant to the statute; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at West^{r}, the 28th day of November, in the year above. By writ, &^{c}.

COWEN. 28th Nov. 1792.

1920. A grant unto GEORGE COWEN, of the city of Dublin, in the kingdom of Ireland, glazier and printseller, of his new invented improvements in the construction of cisterns or reservoirs, for the purpose of filtering, cleansing, and purifying of water; to hold to him, his exors, admors, & ass^{s}, within Eng^{d}, Wales, and town of Berwick-upon-Tweed for the term of 14 y^{rs} pursuant to the statute; with a clause to inrol the same within nine calendar months from the date hereof. W. H. M. at West^{r}, the 28th day of November, in the year above. By writ, &^{c}.

BAYLEY. 28th Nov. 1792.

1921. A grant unto JAMES BAYLEY, of the parish of Saint Leonard, Shoreditch, in the county of Middlesex, dyer, of his invented machine for the

purpose of dying, staining, or printing of silk handkerchiefs, cotton callicoes, muslins, and other articles capable of being dyed, printed, or stained, in a manner far more superior and at much less expence than by the mode now practised; to hold to him, his ex̃ors, adm̃ors, & ass^{s}, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at West^{r}, the 28th day of November, in the year above. By writ, &^{c}.

CAMPBELL. 28th Nov. 1792.

1922. A grant unto HECTOR CAMPBELL, of the parish of Saint Mary Magdalen, Bermondsey, in the county of Surry, chymist, of his new invented improved method of destroying & taking away all the carbonic, oleaginous, and colouring elements and particles in linen, cotton, hemp, and in all coloured rags and other materials used in making paper, in a manner hitherto unattempted in this kingdom, and at a much less expense than any method now in use; to hold to him, his ex̃ors, adm̃ors, & ass^{s}, within Eng^{d}, Wales, & town of Berwick-upon-Tweed for the term of 14 y^{rs} pursuant to the statute; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at West^{r}, the 28th day of November, in the year above. By writ, &^{c}.

BARBER. 8th Dec. 1792.

1923. A grant unto ROBERT BARBER, of Bilborough, in the county of Nottingham, gentleman, of his new invented improvements upon and additions to the stocking frame (termed the gigger stocking frame), and the mode of using the same, whereby it is particularly applicable for the fabricating & manufacturing of hard twisted Jersey thread, cotton, silk, and any kind of hard twisted thread or materials into doubled looped stocking frame work, exclusive of many other kinds of manufacture for which the said machine, and the particular mode of using the same, may be applied to; to hold to him, his ex̃ors, adm̃ors, and assigns, within Eng^{d}, Wales, & town of Berwick-upon-Tweed, and also within His Majesty's colonies and plantations abroad, for the term of 14 y^{rs} pursuant to the statute; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at West^{r}, the 8th day of December, in the year above. By writ, &^{c}.

CURR. 17th Dec. 1792.

1924. A grant unto JOHN CURR, of Sheffield, in the county of York, gentleman, of his new invented mode of applying ropes to the purpose of drawing or raising coals, lead, tin, or any other minerals out of mines, or of conveying goods of any kind in situations where ropes are worked over wheels, rollers, shieves, or pullies, whereby the injury & damage necessarily attending large ropes passing over shieves or pullies, or lapping or bending upon wheels or rollers of small diameters, is greatly diminished; to hold to him, his ex̃ors, adm̃ors, & ass^{s}, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at Westminster, the seventeenth day of December, in the year above. By writ, &^{c}.

SIMPKIN. 19th Dec. 1792.

1925. A grant unto CHARLES SIMPKIN, of Oxford Street, in the parish of Saint Mary-le-bone, in the county of Middlesex, engine maker and plumber, of his new invented improvements in the construction of all kinds of engines used for the extinguishing of fires; to hold to him, his ex̃ors, adm̃ors, & ass^{s}, within Eng^{d}, Wales, & town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at West^{r}, the 19th day of December, in the year above. By writ, &^{c}.

COLLINS. 20th Dec. 1792.

1926. A grant unto WILLIAM COLLINS, of Greenwich, in the county of Kent, merchant, of his new invented metal sheets, and fastenings for sheets, intended for the sheathing of ships, as also the rudder furniture, commonly called the ships rudder braces and pintles; to hold to him, his exors, admors, & ass^{s}, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 y^{rs} pursuant to the statute; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at West^{r}, the 20th day of December, in the year above. By writ, &^{c}.

HOWARD. 21st Dec. 1792.

1927. A grant unto STANLEY HOWARD, of Saint Pauls Church Yard, in the city of London, ironmonger, of his new invented machine, which he calls the pneumatick kitchen, for cooking victuals by steam, in such a way that no complex machinery is required for supplying the boiler with water to replace the quantity expended by evaporation (the boiler being constantly supplied during the operation without the aid of a cistern), or for any pump, and which machine may be fixed up at a small expense, without any injury to the house or alteration of the chimney, and when once fixed requires no repair; to hold to him, his exors, admors, & ass^{s}, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at West^{r}, the 21st day of December, in the year above.

By writ, &^{c}.

BARBER. 22nd Dec. 1792.

1928. A grant unto JOHN BARBER, of Attleborough, in the parish of Nineaton, in the county of Warwick, gentleman, of his new invented method for smelting and purifying fossil coal, iron stone, iron ore, and other metallic ores, and the calx thereof, by steam, air, and fire, & impregnating the same and the matrix thereof with inflammable air, producing thereby a tough metal; to hold to him, his exors, admors, & ass^{s}, within Eng^{d}, Wales, & town of Berwick-upon-Tweed for the term of 14 y^{rs} pursuant to the statute; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at West^{r}, the 22^{d} day of Dec^{r}, in the year above.

By writ, &^{c}.

PARKER. 22nd Dec. 1792.

1929. A grant unto THOMAS PARKER, of Drake Street, Red Lyon Square, in the county of Middlesex, esq^{r}, of his new invented engine or machine, to be wrought by means of air and water, or by air and fire and water, by which any of the same works may be performed as can be done by mills, engines, or by any other of the known mechanical powers; to hold to him, his exors, admors, & ass^{s}, within Eng^{d}, Wales, & town of Berwick-upon-Tweed, and also within His Majesty's colonies & plantations abroad, for the term of 14 y^{rs} pursuant to the statute; with a clause to inrol the same within six calendar months from the date hereof. W. H. M. at West^{r}, the 22^{d} day of December, in the year above. By writ, &^{c}.

GRUBB. 15th Jan. 1793.

1930. A grant unto ROBERT GRUBB, of the Old Bailey, in the parish of Saint Martin, Ludgate, in the city of London, gentleman, of his new invented medicine or composition, which he presumes to call and distinguish by the name and description of "The human restorative, or nervous corroborant "drops, for strengthening and invigorating the animal fluids, repairing the "injured tone of the solids, correcting feminine irregular profluvia, natural "debilities or weaknesses in either sex, the eradicating melancholy hypo-"condriach affections, and every impediment of the animal functions, thereby "restoring and conserving health and vigor of body and serenity of mind;" to hold to him, his exors, admors, & ass^{s}, within Eng^{d}, Wales, & town of Berwick-upon-Tweed for the term of 14 y^{rs} pursuant to the statute; with a

clause to inrol the same within one calendar month from the date hereof. W. H. M. at Westr, the 15th day of January, in the year of our Lord 1793. By writ, &c.

VAZIE. 15th Jan. 1793.

1931. A grant unto ROBERT VAZIE the younger, of South Shields, in the county of Durham, of his new invented saddle or pad, to be fixed upon a horse or other animal by two girths, one of which fixed on each side the saddle at or near the hind part thereof, and each being brought diagonally underneath the body of the horse, and then fastened at or towards the fore-part of the saddle on the opposite side to which they are fixed behind, the distance betwixt the girths, when united to the saddle or pad, being ten inches, more or less, agreeable to the size of the horse ; and that by means thereof, and of traces fixed to the said girths or saddle or pad, great loads may be drawn with speed in every description of carriages, vessels, machines, or otherwise, without the assistance of a neck or breast collar, and such carriages may be stopped or held back without the assistance of a breeching ; and further, that the said invention for fixing the saddle or pad with girths, as before described, effectually prevents riding saddles from removing backwards or forwards, and thereby renders them much safer to be rode upon than the present mode of girthing them ; to hold to him, his exors, admors, & asss, within Engd, Wales, and town of Berwick-upon-Tweed for the term of 14 yrs pursuant to the statute ; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at Westr, the 15th day of January, in the year above. By writ, &c.

BENTLEY. 23rd Jan. 1793.

1932. A grant unto NATHANIEL BENTLEY, of the town of Leicester, dyer, of his new invented machine to be used in the scowering, milling, and washing of hosiery, linen, and woollen cloths and cloathing, and other things manufactured and made from wool, cotton, thread, and silk, or any of the raw materials used in those manufactures ; to hold to him, his exors, admors, & assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute ; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at Westr, the 23d day of January, in the year above. By writ, &c.

DONALDSON. 19th Feb. 1793.

1933. A grant unto JOHN DONALDSON, of Tavistock Row, Covent Garden, in the county of Middlesex, gentleman, of his new invented method of preserving animal and vegetable substances ; to hold to him, his exors, admors, & asss, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 yrs pursuant to the statute; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at Westr, the 19th day of Febry, in the year above. By writ, &c.

HITCHCOCK. 27th Feb. 1793.

1934. A grant unto JAMES HITCHCOCK, of Well Close Square, in the county of Middlesex, gentleman, of his new invented apparatus, by means of which several prints or drawings may be contained and exhibited in the same frame, and changed or varied at pleasure, and whereby each print or drawing will produce the same effect as if contained in separate frames ; to hold to him, his exors, admors, & asss, within Engd, Wales, & town of Berwick-upon-Tweed for the term of 14 yrs pursuant to the statute ; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at Westr, the 27th of Febry, in the year above. By writ, &c.

AXON. 27th Feb. 1793.

1935. A grant unto JAMES AXON, of Carey Street, in the parish of Saint Clement Danes, in the county of Middlesex, turner and carpenter, of his new invented machine for cleaning and fining raw cotton, silk, and wool ; to hold to him, his exors, admors, & asss, within England, Wales, & town of

Berwick-upon-Tweed for the term of 14 yrs pursuant to the statute; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at Westr, the 27th day of Febry, in the year above. By writ, &c.

COLE. 15th March 1793.

1936. A grant unto RICHARD COLE, of the city of Coventry, turner, of his new invented method of constructing certain parts and movements of watches, clocks, and time pieces, so as to render such watches, &c, much more regular and certain in their going, motion, or division of time, and on a different principle from anything hitherto attempted; to hold to him, his exors, admors, & asss, within Engd, Wales, & town of Berwick-upon-Tweed for the term of 14 yrs pursuant to the statute; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at Westr, the 15th day of March, in the year above. By writ, &c.

BINNS. 15th March 1793.

1937. A grant unto THOMAS BINNS, of Barlow Street, in the parish of Saint Mary-le-bone, in the county of Middlesex, carpenter, of his new invented machine or apparatus for water closets and privies, which, upon a self acting principle, receives into the bason a sufficient quantity of water for the intended purposes, and retains the same therein until the water closets or privies shall be made use of; and when such water closets or privies, wherein such machine or apparatus shall be fixed, shall have been made use of, will of itself, in any necessary given time, empty such water with the soil, afterterwards wash out the bason and leave the same clean and closed up, and will then introduce a sufficient quantity of clean water again into the bason, and thereby continually preserve the bason clean, and prevent any offensive smell, without the manual assistance or attention of any person thereto; the operation as to the filling, emptying, and washing the bason being performed with a given portion of water necessary for the same, without any extra or waste pipe or superfluous water, which machine or apparatus may be applied to water closets already erected upon other principles; to hold to him, his exors, admors, & asss, within Engd, Wales, & town of Berwick-upon-Tweed for the term of 14 yrs pursuant to the statute; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at Westr, the 15th day of March, in the year above. By writ, &c.

TATE. 15th March 1793.

1938. A grant unto PAUL TATE, of Manchester, in the county palatine of Lancaster, cotton manufacturer, of his new invented spinning machine on an improved construction, whereby the process of spinning is much facilitated and expedited; to hold to him, his exors, admors, & asss, within Engd, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inrol the same within four calendar months from the date hereof. W. H. M. at Westr, the 15th day of March, in the year above. By writ, &c.

BELFOUR. 16th March 1793.

1939. A grant unto JOHN DANIEL BELFOUR, of the town of Elsenure, in the kingdom of Denmark, merchant, of his new invented method of making and manufacturing cordage of all kinds by means of machinery constructed by him for that purpose, whereby there will be a considerable saving in the material used, and such cordage will be made considerably stronger, lighter, and more compact and durable than hath been hitherto effected by any mode now known or at present in use; to hold to him, his exors, admors, & asss, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 yrs pursuant to the statute; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at Westr, the 16th day of March, in the year above. By writ, &c.

COLLINSON. 18th March 1793.

1940. A grant unto EDWARD COLLINSON, of Lombard Street, in the city of London, tinplate worker, of his new invented lamp for the purpose of lighting streets, houses, halls, and shops, and for various other purposes; to hold to him, his exors, admors, & ass^{s}, within England, Wales, & town of Berwick-upon-Tweed, and also within His Majesty's colonies and plantations abroad, for the term of 14 years pursuant to the statute; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at West^{r}, the 18th day of March, in the year above. By writ, &^{c}.

JONES. 25th March 1793.

1941. A grant unto ROWLAND JONES, of Greenwich, in the county of Kent, merchant, of his new invented engines or machines for stamping and striping woollen cloths, kerseymeres, silk velvets, cotton velvets, velveteens, velverets, and thicksetts; to hold to him, his exors, admors, & ass^{s}, within Eng^{d}, Wales, & town of Berwick-upon-Tweed for the term of 14 y^{rs} pursuant to the statute; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at West^{r}, the 25th day of March, in the year above. By writ, &^{c}.

WILDEY. 25th March 1793.

1942. A grant unto HENRY WILDEY, of New Compton Street, in the county of Middlesex, coach axletree and spring maker, of his new method of improvement of a wheel iron for a coach, chariot, chaise, phaeton, or any other four wheel'd carriage, by virtue of a screw'd box, nut, or eye, to an improved plan, to screw and affix on the fore axletree, and with the aid of a screw'd box end to receive a screw or screws horizontally, as occasion may require, through the fore wheel bar (commonly called the splinter bar), and to be screw'd to the inside of the said splinter bar, will compleatly keep the same in its proper position, and also prevent the fore wheels of such carriage ever coming off while in action or use, and thereby prevent many accidents which frequently happen through the principle of, and cannot be prevented by, the wheel iron now in use; and also of his new invented axletree double box for all kind of wheel'd carriages, which, by means of its present construction, will contain and supply itself with oil for several months without the occasion of being taken off to oil the same, as the common box now in use requires; to hold to him, his exors, admors, & ass^{s}, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 y^{rs} pursuant to the statute; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at West^{r}, the 25th day of March, in the year above. By writ, &^{c}.

PITTS. 25th March 1793.

1943. A grant unto MATTHEW PITTS, of Abinger, in the county of Surry, captain in the corps of Royal Engineers, of his new invented improvements on the steam engine, and of his new mode or method of generating steam, with its application to steam engines, or for any other purpose where steam is used; to hold to him, his exors, admors, & ass^{s}, within Eng^{d}, Wales, and town of Berwick-upon-Tweed for the term of 14 y^{rs} pursuant to the statute; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at West^{r}, the 25th day of March, in the year above. By writ, &^{c}.

GULLETT. 1st April 1793.

1944. A grant unto CHRISTOPHER GULLETT, of the city of Exeter, esquire, of his new remedy for expelling the gout from the head, stomach, and vital parts of persons so afflicted, assuaging the paroxysms even in the most dangerous cases, and afterwards curing such, as well as other gouty persons, without any medicine, plaister, or other such application whatever, either internal or external; to hold to him, his executors, administrators, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of

fourteen years pursuant to the statute; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at Westminster, the first day of April, in the year above. By writ, &c.

DORR. 9th April 1793.

1945. A grant unto SAMUEL GRISSOULD DORR, of Albany, in the state of New York, in America, clothier, of his new invented machine for shearing of cloth and other articles in a more expeditious manner than by any other mode hitherto discovered; to hold to him, his exors, admors, & assˢ, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 yʳˢ pursuant to the statute; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at Westʳ, the 9th day of April, in the year above. By writ, &c.

FOTHERGILL. 12th April 1793.

1946. A grant unto RICHARD FOTHERGILL, of Sunderland-near-the-Sea, in the county of Durham, schoolmaster, (being one of the people called Quakers,) of his new invented machine for dressing hemp, and making and spinning the same into ropes and cordage; to hold to him, his exors, admors, & assˢ, within Engᵈ, Wales, & town of Berwick-upon-Tweed for the term of 14 yʳˢ pursuant to the statute; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at Westʳ, the 12th day of April, in the year above. By writ, &c.

BENTHAM. 12th April 1793.

1947. A grant unto SAMUEL BENTHAM, of Queens Square Place, Westminster, in the county of Middlesex, esqʳ, of his new improved methods of making fire irons; to hold to him, his exors, admors, & assˢ, within Engᵈ, Wales, & town of Berwick-upon-Tweed for the term of 14 yrs pursuant to the statute; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at Westʳ, the 12th day of April, in the year above. By writ, &c.

BRAMAH. 18th April 1793.

1948. A grant unto JOSEPH BRAMAH, of Piccadilly, in the county of Middlesex, engine maker, of his new invented improvements and additions to a fire engine, originally invented by him, by means of which improvements and additions the said fire engine will be more complete and effective than any now in use, as it will possess the several advantages, first, that it may be expeditiously conveyed to any distance without the necessity of using a cart or other carriage; secondly, that it will contain within itself a new and peculiar reservoir, in which may be kept and conveyed a considerable supply of water, so as to render the engine of immediate use; and, thirdly, that the water, by means of a new constructed nose to the branch pipe, may be dispersed more generally, and in so many directions, at one and the same time, that, were a room on fire in every part, such fire would almost instantaneously be extinguished, and that the said improvements are applicable to engines in common use; to hold to him, his exors, admors, & assˢ, within Engᵈ, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at Westʳ, the 18th day of April, in the year above. By writ, &c.

ETCHELLS. 18th April 1793.

1949. A grant unto MATTHEW ETCHELLS, of Mansfield, in the county of Nottingham, cotton spinner, of his new invented method of twisting and winding upon bobbins cotton and sheep's wool whilst in the operation of its being drawn, by which the process is performed with more facility, less labour and expence, and to a greater degree of perfection, than by any method hitherto known or made use of; and for that purpose hath constructed, combined, and brought to perfection certain machinery which may be of great benefit and public utility to the trade of this kingdom; to hold to him, his

exors, admors, & ass^{s}, within Eng^{d}, Wales, and town of Berwick-upon-Tweed for the term of 14 y^{rs} pursuant to the statute; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at West^{r}, the 18th day of April, in the year above. By writ, &c.

DALE. 18th April 1793.

1950. A grant unto JOHN DALE, of Leominster, in the county of Hereford, engineer, of his new invented modes of conducting steam, and likewise of generating steam, whereby great advantages will arise from the saving of fuel, by applying these new invented principles to steam engines, or other machines that have similar properties to those of steam engines, which inventions, employed seperately or united, will prove of the greatest utility to the public; to hold to him, his exors, admors, & ass^{s}, within Eng^{d}, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inrol the same within three calendar months from the date hereof. W. H. M. at West^{r}, the 18th day of April, in the year above. By writ, &c.

BENTHAM. 23rd April 1793.

1951. A grant unto SAMUEL BENTHAM, of Queen Square Place, Westminster, in the county of Middlesex, esq^{r}, of his new invented and improved methods and means of working wood, metal, and other materials; to hold to him, his exors, admors, & ass^{s}, within Eng^{d}, Wales, & town of Berwick-upon-Tweed for the term of 14 y^{rs} pursuant to the statute; with a clause to inrol the same within four calendar months from the date hereof. W. H. M. at West^{r}, the 23^{d} day of April, in the year above. By writ, &c.

HUDDART. 25th April 1793.

1952. A grant unto JOSEPH HUDDART, of Islington, in the county of Middlesex, esq^{r}, of his new invented manufacture, to wit, a new mode or art of making great cables and other cordage, so as to attain a greater degree of strength therein by a more equal distribution of the strain upon the yarns; to hold to him, his exors, admors, & ass^{s}, within Eng^{d}, Wales, & town of Berwick-upon-Tweed, and also within His Majesty's colonies and plantations abroad, for the term of 14 y^{rs} pursuant to the statute; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at West^{r}, the 25th day of April, in the year above. By writ, &c.

ECKHARDT. 30th April 1793.

1953. A grant unto FRANCIS FREDERICK ECKHARDT, of Sloane Street, in the parish of Saint Luke, Chelsea, in the county of Middlex, manufacturer, of his new invented method of preparing and printing paper in different patterns, and to silver it over with fine silver leaves, so as to resemble damask, lace, and various silk stuffs, to be used for hangings and other furniture for rooms; to hold to him, his exors, admors, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within one calendar month from the date hereof. W. H. M. at Westminster, the 30th day of April, in the year above. By writ, &c.

ECKHARDT. 30th April 1793.

1954. A grant unto FRANCIS FREDERICK ECKHARDT, of Sloane Street, in the parish of Saint Luke, Chelsea, in the county of Middlex, manufacturer, of his new invented method of preparing linen and cotton cloth with a paste, so as to form a smooth and regular surface, and yet leave the cloth of a pliable quality, for the purpose of receiving a coat of water size colours, upon which are afterwards printed ornaments in fine silver and gold or colours, in different patterns, so as to resemble damask, lace, and various other silk stuffs (which, being afterwards varnished, may be washed with water without injury,) to be used for hangings and other furniture for rooms; to hold to him, his exors, admors, and assigns, within England, Wales, and town of Berwick-

upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inrol the same within one calendar month from the date hereof. Witness His Majesty at Westminster, the thirtieth of April, in the year above.
By writ, &c.

TOPLIS. 8th June 1793.

1955. A grant unto WILLIAM TOPLIS the younger, of Cuckney, in the county of Nottingham, worsted manufacturer, of his new invented machinery for combing and preparing of wool, cotton, silk, flax, hemp, and mohair for the purpose of spinning; to hold to him, his exors, admors, & ass^{s}, within Eng^{d}, Wales, & town of Berwick-upon-Tweed for the term of 14 y^{rs} pursuant to the statute; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at West^{r}, the 8th day of June, in the year above. By writ, &c.

WRIGHT. HAWKESLEY. 8th June 1793.

1956. A grant unto HENRY WRIGHT and JOHN HAWKESLEY, both of Arnold, in the county of Nottingham, worsted manufacturers, of their new invented machinery for combing and preparing wool, cotton, silk, flax, hemp, and mohair for the purpose of spinning; to hold to them, their exors, admors, & ass^{s}, within Eng^{d}, Wales, & town of Berwick-upon-Tweed for the term of 14 y^{rs} pursuant to the statute; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at West^{r}, the 8th day of June, in the year above. By writ, &c.

FERRYMAN. 15th June 1793.

1957. A grant unto ROBERT FERRYMAN, of Hammersmith, in the county of Middlesex, clerk, of his new invented valve cock, simple in its principles, not liable to be out of order, and that will bear any conceivable weight of water without risque of leaking; to hold to him, his exors, admors, & ass^{s}, within Eng^{d}, Wales, & town of Berwick-upon-Tweed for the term of 14 y^{rs} pursuant to the statute; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at West^{r}, the 15th day of June, in the year above. By writ, &c.

GREEN. 18th June 1793.

1958. A grant unto JOSHUA GREEN, of the parish of Guiseley, in the county of York, gentleman, of his new invented method of constructing navigable canals without the use or necessity of locks, whereby most of the objections to and inconveniences arising from canals are effectually removed; to hold to him, his exors, admors, & ass^{s}, within Eng^{d}, Wales, & town of Berwick-upon-Tweed for the term of 14 y^{rs} pursuant to the statute; with a clause to inrol the same within six calendar months from the date hereof. W. H. M. at West^{r}, the 18th day of June, in the year above. By writ, &c.

ELLIOT. 27th June 1793.

1959. A grant unto JOSEPH MOSELEY ELLIOT, of Chesham, in the county of Bucks, gentleman, of his new invented machine or engine for working & binding of wire and making of moulds used by paper manufacturers, and for the more correct and expeditious method of working and binding of wire for making of sieves, screens, meat safes, &c, &c; to hold to him, his exors, admors, & ass^{s}, within Eng^{d}, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at West^{r}, the 27th day of June, in the year above. By writ, &c.

SCOTT. GREGORY. 16th Aug. 1793.

1960. A grant unto WILLIAM SCOTT, plumber, and GEORGE GREGORY, tin plate worker, both of Edinburgh, of their new invented method of heating the water and stuff in vats for making paper by steam; to hold to them, their exors, admors, & ass^{s}, within Eng^{d}, Wales, & town of Berwick-upon-Tweed for the term of 14 y^{rs} pursuant to the statute; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at West^{r}, the 16th day of August, in the year above. By writ, &c.

DAKEYNE. 16th Sept. 1793.

1961. A grant unto DANIEL DAKEYNE, of Knabb House, in the parish of Darley, in the county of Derby, esq^{r}, of his new invented machine, which he denominates an equalinum, to be applied to and used with rollers, wheels, or any other instruments for the purpose of preparing and spinning of flax, hemp, tow, wool, jersey, hair, or any other animal, vegetable, or fossil substance, into yarn or thread; to hold to him, his ex̃ors, adm̃ors, & ass^{s}, within Eng^{d}, Wales, & town of Berwick-upon-Tweed, and also within His Majesty's colonies and plantations abroad, for the term of 14 y^{rs} pursuant to the statute; with a clause to inrol the same within six calendar months from the date hereof. W. H. M. at West^{r}, the 16th day of Sept^{r}, in y^{e} year above. By writ, &^{c}.

WARDEN. 2nd Oct. 1793.

1962. A grant unto WILLIAM WARDEN, of Shelburne, in the province of Nova Scotia, in North America, trader, of his new invented extract or preparation of or from bark, which will be of great use in tanning and other trades; to hold to him, his executors, administrators, and assigns, within England, Wales, and town of Berwick-upon-Tweed, and also within His Majesty's colonies and plantations abroad, for the term of 14 years pursuant to the statute; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at Westminster, the second day of October, in the year above. By writ, &^{c}.

LUCAS. BAYLIS. 12th Oct. 1793.

1963. A grant unto JOSEPH LUCAS, of Long Acre, in the parish of Saint Martin-in-the-Fields, in the county of Middlesex, oil merchant, and WILLIAM BAYLIS, of Red Lion Street, in the parish of Saint Andrew, Holborn, in the said county of Middlesex, tin plate worker, of their new invented glass and tin and other metal lamps and lanterns, burners, and frames, with lens glasses, more simple in their construction and mechanism, less expensive in fitting up, and producing a greater proportionable effect of light than any other hitherto discovered; to hold to them, their executors, administrators, and assigns within England, Wales, and town of Berwick-upon-Tweed, and also within His Majesty's colonies and plantations abroad, for the term of fourteen years pursuant to the statute; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at Westminster, the twelfth day of October, in the year of our Lord one thousand seven hundred and ninety-three. By writ, &^{c}.

SPARROW. 16th Oct. 1793.

1964. A grant unto JOSEPH SPARROW, of the town and county of the town of Nottingham, frame work knitter, of his new invented method of raising, removing, and delivering earth or water, by which rivers, canals, or fish ponds made be made or emptied with more facility, less labour & expense than by any method hitherto known or made use of; and also of raising & removing heavy weights of coals, limestone, and other stones from and out of any boat, barge, or vessel, in a navigable river or canal, and delivering the same upon the wharf or shore, or into any waggon, cart, or other carriage there, with more facility, less labour and expense than by any other method hitherto known or made use of; and for those purposes hath constructed, combined, and brought to perfection a certain engine or machine, which may be of great benefit and public utility to the trade of this kingdom; to hold to him, his ex̃ors, adm̃ors, and assigns, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at West^{r}, the 16th day of October, in the year above. By writ, &^{c}.

BILEY. 2nd Nov. 1793.

1965. A grant unto EDWARD BILEY, of the Horseshoe Brewhouse, in the parish of Saint Giles-in-the-Fields, in the county of Middlesex, brewer, of

his new invented machine for mashing of malt in brewing, and various other purposes; to hold to him, his exors, admors, & ass^{s}, within Eng^{d}, Wales, & town of Berwick-upon-Tweed, for the term of 14 y^{rs} pursuant to the statute; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at West^{r}, the 2^{d} day of November, in the year above.

By writ, &c.

TAYLOR. 6th Nov. 1793.

1966. A grant unto WILLIAM TAYLOR, of the Old Park, in the parish of Dawley, in the county of Salop, forgeman, of his new invented air furnace on an improved construction, more simple in its principle & mechanism, less expensive in working and consumption of fuel, and productive of a greater proportionable effect than any other hitherto discovered, which he conceives will be of great public utility in the manufacturing of iron; to hold to him, his exors, admors, & ass^{s}, within Eng^{d}, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at West^{r}, the 6th day of November, in the year above. By writ, &c.

BROWN. 3rd Dec. 1793.

1967. A grant unto JAMES BROWN, late of Pateley Bridge, in the county of York, but now of Manchester, in the county of Lancaster, clock and watch maker, of his new invented improvements on and additions to his engine, machine, or instrument for cutting of all kinds of fustian, and other goods made or consisting of cotton, silk, or woollen, or any other mixture thereof; to hold to him, his exors, admors, & ass^{s}, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at West^{r}, the 3^{d} day of December, in the year above.

By writ, &c.

GREEN. 9th Dec. 1793.

1968. A grant unto JOSEPH GREEN, of West Hill, in the parish of Wandsworth, in the county of Surry, gentleman, of his new invented method of warming rooms & buildings with hot air of a more pure quality than has hitherto been used; to hold to him, his exors, admors, & ass^{s}, within Eng^{d}, Wales, and town of Berwick-upon-Tweed for the term of 14 y^{rs} pursuant to the statute; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at West^{r}, the 9th day of December, in the year above. By writ, &c.

CLIFFE. 9th Dec. 1793.

1969. A grant unto WASTEL CLIFFE, of West Bromwich, in the county of Stafford, esq^{r}, of his invented method of making plane irons, and making, and fastening to proper handles, hoes and all sorts of trowels from rolled steel; to hold to him, his exors, admors, & ass^{s}, within Eng^{d}, Wales, & town of Berwick-upon-Tweed for the term of 14 y^{rs} pursuant to the statute; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at West^{r}, the 9th day of December, in the year above.

By writ, &c.

LESLIE. 13th Dec. 1793.

1970. A grant unto ROBERT LESLIE, of Merlin Place, in the parish of Saint James, Clerkenwell, in the county of Middlesex, watchmaker, of his new invented improvement or improvem^{ts} on clocks, watches, and other timekeepers used either at sea or on land; to hold to him, his exors, admors, & ass^{s}, within Eng^{d}, Wales, & town of Berwick-upon-Tweed for the term of 14 y^{rs} pursuant to the statute; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at West^{r}, the 13th day of Dec^{r}, in the year above. By writ, &c.

MURRAY. 18th Dec. 1793.

1971. A grant unto MATHEW MURRAY, of Holbeck, in the parish of Leeds, in the county of York, whitesmith and mechanic, of his new invented instruments and machines for preparing & spinning of flax, hemp, tow, wool, and silk; to hold to him, his exors, admors, & ass^{s}, within Eng^{d}, Wales, & town of Berwick-upon-Tweed for the term of 14 y^{rs} pursuant to the statute; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at West^{r}, the 18th day of Dec^{r}, in the year above. By writ, &c.

HILL. 18th Dec. 1793.

1972. A grant unto ABRAHAM HILL, of Whitley Wood, in the parish of Sheffield, in the West Riding of the county of York, saw maker, of his new invented method of making with iron backs steel knives for cutting hay and straw; to hold to him, his exors, admors, & ass^{s}, within Eng^{d}, Wales, & town of Berwick-upon-Tweed for the term of 14 y^{rs} pursuant to the statute; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at West^{r}, the 18th day of December, in the year above.

By writ, &c.

COOKE. 8th Jan. 1794.

1973. A grant unto JAMES COOKE, of Red Lyon Square, near Holborn, in the county of Middlesex, clerk, of his new invented knife, plate, weight, & regulator, for and to be used with a machine for cutting of straw & hay into chaff, whereby the operation of cutting straw and hay into chaff for the use of cattle will be facilitated & rendered much more practicable than by any other mode hitherto invented; to hold to him, his executors, administrators, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inrol the same within one calendar month from the date hereof. Witness His Majesty at Westminster, the eighth day of January, in the year of our Lord 1794.

By writ, &c.

JOHNSTONE. 8th Jan. 1794.

1974. A grant unto ANDREW JOHNSTONE, of Ball Alley, in the parish of Alhallows, Lombard Street, in the city of London, perfumer, of his new invented method of making a new kind of soap, which he calls "jessamin soap," and which is infinitely superior to any hitherto used for washing, shaving, and other purposes; to hold to him, his exors, admors, & ass^{s}, within Eng^{d}, Wales, & town of Berwick-upon-Tweed for the term of 14 y^{rs} pursuant to the statute; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at West^{r}, the 8th day of January, in the year above. By writ, &c.

BELLAMY. 19th Jan. 1794.

1975. A grant unto JOHN BELLAMY, of the parish of Saint Mildred, in the city of London, gentleman, of his new improved method of making all kinds of leather and various other articles water proof, for the purpose of being made up & used in a variety of necessary articles of consumption; to hold to him, his exors, admors, & ass^{s}, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 y^{rs} pursuant to the statute; with a clause to inrol the same within four calendar months from the date hereof. W. H. M. at West^{r}, the 19th day of Jañry, in the year above. By writ, &c.

TILSTONE. 16th Jan. 1794.

1976. A grant unto JOSEPH TILSTONE, of Newcastle, in the county of Stafford, hat manufacturer, of his new invented material article in the making of hats; to hold to him, his exors, admors, & ass^{s}, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 y^{rs} pursuant to the statute; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at West^{r}, the 16th day of January, in the year above.

By writ, &c.

ASHTON.
16th Jan. 1794.

1977. A grant unto SAMUEL ASHTON, of Sheffield, in the county of York, painter, of his new invented method of tanning hides & skins; to hold to him, his exors, admors, & ass^{s}, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 y^{rs} pursuant to the statute; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at West^{r}, the 16th day of January, in the year above. By writ, &c.

SYKES.
4th Feb. 1794.

1978. A grant unto THOMAS SYKES, of Sheffield, in the county of York, silversmith and gunsmith, of his new invented lock, instrument, or machine with one tricker or bolt, whereby both locks of a double barrel gun, pistol, blunderbuss, & all other fire arms of double barrels with two locks affixed thereto, are and may be fired, the one lock after the other, or one alone, by the said one tricker or bolt, without such side motion or alteration of the position of the said tricker or other inconvenience attending the same; to hold to him, his exors, admors, & assigns, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at Westminster, the 4th day of February, in the year of our Lord 1794. By writ, &c.

MEAD.
6th March 1794.

1979. A grant unto THOMAS MEAD, of the parish of Sculcoates, otherwise Scowscotts, in the county of York, engineer, of his new invented methods of exerting, putting, and continuing in motion pneumatic, chemical, or pneumato-chemical apparatus, by the decomposition, recomposition, expansion, and condensation (separately or conjointly) of permanently elastic fluids, which will produce power or force sufficient to put and continue in motion any kind of machinery to which they may be applied; to hold to him, his exors, admors, & ass^{s}, within Eng^{d}, Wales, & town of Berwick-upon-Tweed for the term of 14 y^{rs}, pursuant to the statute; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at West^{r}, the 6th day of March, in the year above. By writ, &c.

NUGENT.
18th March 1794.

1980. A grant unto PATRICK ROONEY NUGENT, late chief surveyor of lands in the Isle of Cape Breton, in North America, esq., of his new invented instruments, whereby the latitude, longitude, and magnetic variation at sea or on shore may be obtained, in so general, masterly, and perfect a manner as to render his invention of the utmost public utility; to hold to him, his exors, admors, & ass^{s}, within Eng^{d}, Wales, & town of Berwick-upon-Tweed for the term of 14 y^{rs} pursuant to the statute; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at Westm^{r}, the 18th day of March, in the year above. By writ, &c.

ROWLAND.
PICKERING.
18th March 1794.

1981. A grant unto EDWARD ROWLAND and EXUPERIUS PICKERING, both of Ruabon, in the county of Denbigh, gentlemen, of their new invented machinery for the purpose of forming and constructing navigable canals in a much more easy, expeditious, and at the same time less expensive manner than hath hitherto been effected, whereby the navigation will be considerably expedited, and the necessity of locks, inclined planes, tunnelling, and a supply of water and reservoirs (except only for the supply of such portion of water as is inevitably lost by exhalation and absorption) will be effectually obviated, and which machinery may also be advantageously applied to several other useful purposes; to hold to him, his exors, admors, & ass^{s}, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 y^{rs} pursuant to the statute; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at West^{r}, the 18th day of March, in the year above. By writ, &c.

HARMAR. 29th March 1794.

1982. A grant unto JOHN HARMAR, of Sheffield, in the county of York, clerk, of his new invented improvements in a machine (for which he obtained His Majesty's Letters Patent, bearing date the 20th day of March 1787,) for raising a shagg on all sorts of woollen cloths, and cropping or shearing them, which together come under the description of dressing woollen cloths, and also for cropping or shearing of fustians; to hold to him, his exors, admors, & ass^{s}, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at West^{r}, the 29th day of March, in the year above. By writ, &c.

STREET. 7th May 1794.

1983. A grant unto ROBERT STREET, of Providence Row, in the parish of Christ Church, Surry, varnish maker, of his new invented method to produce an inflammable vapour-force by means of liquid, air, fire, and flame, for communicating motion to engines, pumps, and machinery; to hold to him, his exors, admors, & ass^{s}, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 y^{rs} pursuant to the statute; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at West^{r}, the 7th day of May, in the year above. By writ, &c.

CARTWRIGHT. 7th May 1794.

1984. A grant unto RICHARD CARTWRIGHT, of Loughborough, in the county of Leicester, hosier, of his new invented thread or yarn, which is produced by mixing & spinning together certain materials into one and the same single thread, which materials have not hitherto been united and spun into one and the same single thread, and which thread, so mixed and spun, is capable of being manufactured into hosiery, flannels, kerseymeres, cloths, and all or most other articles which the materials of which it is composed are capable of being separately manufactured or worked; to hold to him, his exors, admors, & ass^{s}, within Eng^{d}, Wales, & town of Berwick-upon-Tweed for the term of 14 y^{rs} pursuant to the statute; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at Westm^{r}, the 7th day of May, in the year above. By writ, &c.

STRATTON. DORR. 7th May 1794.

1985. A grant unto GEORGE STRATTON, of Cheapside, in the city of London, ironmonger, and SAMUEL GRISWOULD DORR, late of Albany, in America, but now of Walcot Place, in the parish of Saint Mary, Lambeth, in the county of Surrey, clothier, of their new invented improved grate, range, or stove, with certain machinery or apparatus to be applied thereto, which will effectually prevent any chimney from smoking, and will dress as great a number of dishes, in every species of cookery, with one small fire, as hath hitherto been done by the present modes with several fires, and without the use of that noxious article called charcoal; that the same is also advantageously adapted for all the operations of a wash-house & laundry, being free from dust or soot, and a much greater degree of heat is obtained in the room or place where used, & every purpose fully answered with a much less considerable consumption of fuel, and less expense in erection than hath hitherto been effected; to hold to him, his exors, admors, & ass^{s}, within Eng^{d}, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at West^{r}, the 7th day of May, in the year above. By writ, &c.

WHITTINGTON. 7th May 1794.

1986. A grant unto WILLIAM WHITTINGTON, of Sheffield, in the county of York, wheelright, of his new invented machine for roasting meat, and all other food necessary to be & usually roasted, in a much superior manner to any thing now made use of for that purpose, inasmuch as it will prevent many of the inconveniences experienced in the roasting of meat in the usual way, and

is a machine which will be of great & universal utility, as well in private and other families as in camps and on board ships of war and all other vessels ; to hold to him, his exors, admors, & assˢ, within Engᵈ, Wales, & town of Berwick-upon-Tweed for the term of 14 yʳˢ pursuant to the statute ; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at Westʳ, the 7th day of May, in the year above.

By writ, &c.

Dixon. 8th May 1794.

1987. A grant unto Philip Dixon, of Chelsea, in the county of Middlesex, starch manufacturer, of his new invented method of colouring starch for the purpose of making of hair powder of a far superior and much less pernicious quality than anything hitherto found out, used, or discovered for that purpose ; to hold to him, his exors, admors, & assˢ, within Engᵈ, Wales, & town of Berwick-upon-Tweed for the term of 14 yʳˢ pursuant to the statute ; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at Westʳ, the 8th day of May, in the year above.

By writ, &c.

Fulton. 8th May 1794.

1988. A grant unto Robert Fulton, late of the city of Exeter, but now of the city of London, gentleman, of his new invented machine or engine for conveying boats and vessels, and their cargoes, to and from the different levels in and upon canals without the assistance of locks, or the other means now known and used for that purpose ; to hold to him, his exors, admors, & assigns, within Engᵈ, Wales, & town of Berwick-upon-Tweed for the term of 14 yʳˢ pursuant to the statute ; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at Westmʳ, the 8th day of May, in the year above.

By writ, &c.

Ferryman. 13th May 1794.

1989. A grant unto Robert Ferryman, of West Drayton, in the county of Middlesex, of his new invented bathing machine, either fixed or moveable, that may be used as a hot or cold bath, in salt or fresh water, and in all weathers, calculated for the better accommodation of invalids and timid persons, and to remove the possibility of any accidents from rough weather or inexperienced guides ; together with such a cock to the boiler as will prevent any waste of hot water, a stop to the door to guard against the mischiefs that frequently happen from the wind shutting them with violence, and a scraper to the outer door, necessary to keep the interior parts of the bath perfectly free from dirt, and to remedy the many inconveniences which have arisen from the scrapers at present in use ; to hold to him, his exors, admors, & assˢ, within Engᵈ, Wales, & town of Berwick-upon-Tweed for the term of 14 yʳˢ pursuant to the statute ; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at Westʳ, the 13th day of May, in the year above.

By writ, &c.

Bell. 17th May 1794.

1990. A grant unto William Bell, of Walsall, in the county of Stafford, buckle maker, of his new invented art and method of making and manufacturing buckles and shoe fastenings ; to hold to him, his exors, admors, & assˢ, within Engᵈ, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute ; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at Westʳ, the 17th day of May, in the year above.

By writ, &c.

De Lolme. 24th May 1794.

1991. A grant unto John Lewis De Lolme, of the parish of Saint Andrew, Holborn, doctor of civil law, of his new invented instruments or implements for the safety and conveniency of wheel carriages, and also for their greater expedition by the lessening of friction ; to hold to him, his exs, admors, and assˢ, within England, Wales, and town of Berwick-upon-Tweed for the term

of 14 yrs pursuant to the statute ; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at Westr, the 24th day of May, in the year above By writ, &c.

JONES. 27th May 1794.

1992. A grant unto EDWARD JONES, of the parish of Saint Peter, in the city of Bristol, sadler, of his new invented woman's saddle tree, with a steel spring-head to fall down, thereby preventing danger upon a horse tripping, falling, or running away with the rider, who can with ease disengage herself from the saddle, and her cloaths prevented from entangling in the horn or head of the saddle ; to hold to him, his exors, admors, & asss, within Engd, Wales, & town of Berwick-upon-Tweed for the term of 14 yrs pursuant to the statute; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at Westr, the 27th day of May, in the year above. By writ, &c.

WILKINSON. 2nd June 1794.

1993. A grant unto JOHN WILKINSON, of Broseley, in the county of Salop, iron master, of his new invented method of making cast metal or pig iron from the ore, for the purposes of manufacturing it into bar or any sort of malleable iron ; to hold to him, his exors, admors, & asss, within Engd, Wales, & town of Berwick-upon-Tweed for ye term of 14 yrs pursuant to ye statute ; with a clause to inrol the same within one calendar month from ye date hereof. W. H. M. at Westr, the 2d day of June, in the year above. By writ, &c.

FITZGERALD. 2nd June 1794.

1994. A grant unto WILLIAM FITZGERALD, of the Temple, London, esqr, of his new invented apparatus by which ships and vessels may be discharged of water by means of their own motion, and which is also useful and applicable to very many purposes in pneumatics, hydrostatics, and hydraulics ; to hold to him, his exors, admors, & asss, within Engd, Wales, & town of Berwick-upon-Tweed, and also within His Majesty's colonies & plantations abroad, for the term of 14 yrs pursuant to the statute ; with a clause to inrol the same within 8 calendar months from the date hereof, and to enter into such bonds as therein mentioned. W. H. M. at Westr, the 2d day of June, in the year above. By writ, &c.

TATE. 17th June 1794.

1995. A grant unto JAMES TATE, of Tottenham Court Road, in the parish of St Pancras, in the county of Middlesex, ironmonger, of his new improved method of applying fire to the coppers of brewers & distillers, and of managing the same in such manner as that very considerable expence will be saved in the article of fuel, & other material advantages gained thereby; to hold to him, his exors, admors, & asss, within Engd, Wales, & town of Berwick-upon-Tweed for the term of 14 yrs pursuant to the statute; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at Westr, the 17th day of June, in the year above. By writ, &c.

ATKINSON. 18th June 1794.

1996. A grant unto JOHN ATKINSON, of Harrington, near Liverpoole, in the county palatine of Lancaster, colour manufacturer, of his new invented method or invention of making or manufacturing from certain materials certain colours or paints, of a superior quality to the colours or paints hitherto made from the said materials; to hold to him, his executors, administrators, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date hereof. W. H. M. at Westminster, the eighteenth day of June, in the year above. By writ, &c.

DUNN.
28th June 1794.

1997. A grant unto WILLIAM BRUCE DUNN, of the city of Dublin, in the kingdom of Ireland, merchant, of his new invented art of constructing and working of mills on a principle and in a manner hitherto unattempted in this country, and at much less expence than any now in use, with this peculiar advantage, that the situation for such mills need not be confined to any particular spot; to hold to him, his exors, admors, & ass^{s}, within England, Wales, & town of Berwick-upon Tweed, and also within His Majesty's colonies and plantations abroad, for the term of 14 y^{rs} pursuant to the statute; with a clause to inrol the same within three calendar months from the date hereof. W. H. M. at West^{r}, the 28th day of June, in the year above.
By writ, &^{c}.

SHURMUR.
15th July 1794.

1998. A grant unto THOMAS SHURMUR, of Woodchester, in the county of Gloucester, clothier, of his new invented water engine for raising of water, either by standing water or a small rivulet, or any situation where water can be obtained, or for working mills; to hold to him, his exors, admors, & ass^{s}, within Eng^{d}, Wales, & town of Berwick-upon-Tweed, and also within His Majesty's colonies & plantations abroad, for the term of 14 y^{rs} pursuant to the statute; with a clause to inrol the same within six calendar months from the date hereof. W. H. M. at West^{r}, the 15th day of July, in the year above.
By writ, &^{c}.

BROWN.
15th July 1794.

1999. A grant unto JAMES BROWN, of the parish of Saint Giles-in-the-Fields, in the county of Middlesex, gentleman, of his new invented engine or machine for opening of all kinds of velverets and other goods made capable of being opened after such goods have been cut; to hold to him, his exors, admors, & ass^{s}, within Eng^{d}, Wales, and town of Berwick-upon-Tweed for the term of 14 y^{rs} pursuant to the statute; with a clause to inrol the same within four calendar months from the date hereof. W. H. M. at West^{r}, the 15th day of July, in the year above. By writ, &^{c}.

LYTTLETON.
15th July 1794.

2000. A grant unto WILLIAM LYTTLETON, of Mansell Street, Goodman's Fields, in the parish of Saint Mary, Whitechapel, and county of Middlesex, merchant, of his new invented machine, which he calls the aquatic propeller, for the purpose of giving way to ships and other vessells during calms & light winds; to hold to him, his exors, admors, & assigns, within Eng^{d}, Wales, & town of Berwick-upon-Tweed for the term of 14 y^{rs} pursuant to the statute; with a clause to inrol the same within 4 calendar months from the date hereof. Witness His Majesty at West^{r}, the 15th day of July, in the year above. By writ, &^{c}.

FITZGERALD.
16th July 1794.

2001. A grant unto WILLIAM FITZGERALD, of the Temple, London, esq^{r}, of his new invented apparatus for moving or conducting barges and other vessels along navigable canals, and in other waters used for purposes of navigation, to be worked by a steam engine or other first moving power; to hold to him, his executors, administrators, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inrol the same within 4 calendar months from the date hereof. W. H. M. at West^{r}, the 16th day of July, in the year above. By writ, &^{c}.

HAND.
22nd July 1794.

2002. A grant unto JOHN HAND, of Birmingham, in the county of Warwick, plater, of his new invented method of plating, and covering with silver, steel cutlery in general; to hold to him, his exors, admors, & ass^{s}, within Eng^{d}, Wales, & town of Berwick-upon-Tweed, for the term of 14 y^{rs} pursuant to the statute; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at West^{r}, the 22^{d} day of July, in the year above. By writ, &^{c}.

TRAVIS. 29th July 1794.

2003. A grant unto JAMES TRAVIS, of Manchester, in the county of Lancaster, ironmonger, of his new invented mode & apparatus for stiffening of all sorts of spun cotton or cotton spinning, generally called or known by the name of twist or weft cotton; to hold to him, his exors, admors, & ass^{s}, within Eng^{d}, Wales, & town of Berwick-upon-Tweed, for the term of 14 y^{rs} pursuant to the statute; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at West^{r}, the 29th day of July, in the year above. By writ, &.

LADEN. 29th July 1794.

2004. A grant unto WILLIAM SLADEN, of Sherborn, in the county of Dorset, innkeeper, of his new invented machine, or certain machinery, for the removing and conveying of earth, stones, mud, sand, ballast, or any other articles, materials, or things on level ground, and for emptying, raising, and conveying the same from or out of canals, rivers, ponds, foundations of houses, cellars, pits, or holes, and also for lowering and conveying the same from emminences and heights, and which is applicable to various other purposes; to hold to him, his exors, admors, & assigns, within Eng^{d}, Wales, & town of Berwick-upon-Tweed for the term of 14 y^{rs} pursuant to the statute; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at West^{r}, the 29th day of July, in the year above. By writ, &^{c}.

BENTLEY. 7th August 1794.

2005. A grant unto HENRIETTE CAROLINE BENTLEY, of the town of Southampton, spinster, of her new invented bed for fractures, gout, rheumatism, lying-in women, and bid-ridden persons, which may be made, and the linnen changed without incommoding the patient; to hold to her, her executors, administrators, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inrol the same within one calendar month from the date hereof. Witness His Majesty at Westm^{r}, the seventh day of August, in the year above. By writ, &^{c}.

VAUGHAN. 12th August 1794.

2006. A grant unto PHILIP VAUGHAN, of the county of the borough of Carmarthen, iron founder, of his new invented axle trees, axle arms, and boxes for light and heavy wheel carriages; to hold to him, his exors, admors, & ass^{s}, within Eng^{d}, Wales, & town of Berwick-upon-Tweed for the term of 14 y^{rs} pursuant to the statute; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at West^{r}, the 12th day of August, in the year above. By writ, &^{c}.

SWEETNAM. HIGGS. 13th August 1794.

2007. A grant unto RICHARD SWEETNAM, of Plymouth, in the county of Devon, carpenter and joiner, and JOSEPH HIGGS, of Old Palace Yard, in the parish of Saint Margaret, Westminster, in the county of Middlesex, carpenter and joiner, of their new invented improvements in the construction of tables, sashes, shutters, and sliding hinges applicable to such shutters, and which improvements may be adapted to other usual purposes; to hold to him, his exors, admors, & ass^{s}, within Eng^{d}, Wales, & town of Berwick-upon-Tweed for the term of 14 y^{rs} pursuant to the statute; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at West^{r}, the 13th day of August, in the year above. By writ, &^{c}.

KEYLOCK. 16th August 1794.

2008. A grant unto JOHN KEYLOCK the younger, of Hatton Garden, in the parish of Saint Andrew, Holborn, in the county of Middlesex, gentleman, of his new invented fire extinguisher and fire guard, as well for the purpose of extinguishing of fires in stoves, grates, and ranges with expedition, as also to prevent the frequent accidents of fires from stoves, grates, and ranges, and the methods at present used for extinguishing of fires made therein; to hold to him,

his exors, admors, & assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at Westminster, the 16th day of August, in the year above. By writ, &c.

KEMP. 29th August 1794.

2009. A grant unto MATTHEW KEMP, of Cornhill, in the parish of Saint Peter's, in the city of London, of his new invented mill or machine for grinding and polishing all sorts of plate or other glass, and washing or separating emery, white lead, colours, and ores; to hold to him, his exors, admors, & assⁿ, within Engd, Wales, & town of Berwick-upon-Tweed for the term of 14 yrs pursuant to the statute; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at Westr, the 29th day of August, in the year above. By writ, &c.

HEATON. 5th Sept. 1794.

2010. A grant unto RALPH HEATON, of Birmingham, in the county of Warwick, jobbing smith, of his new invented machine for making metal shanks for buttons; to hold to him, his exors, admors, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at Westminster, the 5th day of Septr, in the year above. By writ, &c.

ADAMS. 13th Sept. 1794.

2011. A grant unto BENJAMIN ADAMS, of Birmingham, in the county of Warwick, plated buckle maker, of his new invented art of making shoe catches with spring straps, to be used with buckle rings of every kind and description, and which, for facility in tightening the shoe, security, ease, & convenience to the wearer, are superior to any invention of the kind extant; to hold to him, his exors, admors, and assⁿ, within Engd, Wales, & town of Berwick-upon-Tweed for the term of 14 yrs pursuant to the statute; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at Westr, the 13th day of September, in the year above. By writ, &c.

GARRATT. 29th Sept. 1794.

2012. A grant unto FRANCIS GARRATT, of Old Swan Stairs, in the parish of Saint Michael, Crooked Lane, in the city of London, wholesale tea dealer, of his new invented method of preparing the cocoa nut with other ingredients for the purpose of making the same into cocoa, which he calls "the Queen's cocoa," and which will be very beneficial to persons of a consumptive and weak habit of body; to hold to him, his exors, admors, & assⁿ, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 yrs pursuant to the statute; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at Westr, the 29th day of September, in the year above. By writ, &c.

YELDALL. 30th Sept. 1794.

2013. A grant unto ANTHONY YELDALL, late of Leicester Fields, in the parish of Saint Martin-in-the-Fields, but now of Cheapside, in the city of London, surgeon, of his new invented acromatic belt, which, being applied to the human body, has effected most singular cures in gouty, rheumatic, and other cases; to hold to him, his exors, admors, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at Westminster, the 30th day of September, in the year above. By writ, &c.

FLEET. 1st October 1794.

2014. A grant unto THOMAS FLEET, of Preston Candover, in the county of Southampton, farmer, of his new discovered medicine which will effectually prevent the rot in sheep, and check the further progress of the said disease in those sheep already affected with it in such a degree as to render them capable

of being fatted on the herbage of the same land which produced or occasioned such disease; to hold to him, his exors, admors, and assigns, within England, Wales, and town of Berwick upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within one calendar month from the date hereof. W. H. M. at Westminster, the 1st day of October, in the year above. By writ, &c.

DUNDONALD. 4th October 1794.

2015. A grant unto ARCHIBALD Earl of DUNDONALD, of his new invented method or methods of preparing and obtaining alum or the salt called sulphat or vitriol of argil; and that in the same process, or in processes connected therewith, he prepares and obtains certain other salts, saline matters and substances; to hold to him, his exors, admors, & assigns, within Engd, Wales, & town of Berwick-upon-Tweed, and also within His Majesty's colonies and plantations abroad, for the term of 14 yrs pursuant to the statute; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at Westr, the 4th day of October, in the year above.

By writ, &c.

ERARD. 17th Oct. 1794.

2016. A grant unto SEBASTIAN ERARD, of Great Marlborough Street, in the parish of Saint James, in the county of Middlesex, musical instrument maker, of his new invented improvements in the construction of harps and piano fortes, both large and small, and which improvements may also be applied to all kinds of instruments where keys are used; to hold to him, his exors, admors, & ass^{s}, within Engd, Wales, & town of Berwick-upon-Tweed for the term of 14 yrs pursuant to the statute; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at Westr, the 17th day of October, in the year above. By writ, &c.

SOUTHWELL. 18th Oct. 1794.

2017. A grant unto WILLIAM SOUTHWELL, late of Great Marlborough Street, in the city of Dublin, in His Majesty's kingdom of Ireland, but now of Lad Lane, London, musical instrument maker, of his new invented improvements in the construction of the musical instruments called a piano forte, by which improvements the tones of such instruments are rendered more distinct and perfect and the players playing on such instruments have a power to produce the gradations of tones from piano to forte with greater effect than they are able at present to produce the same; and an additional number of keys may be put to such instruments in a new manner, upon a better construction than such keys can be put to piano fortes at present; to hold to him, his exors, admors, & ass^{s}, within Engd, Wales, & town of Berwick-upon-Tweed for the term of 14 yrs pursuant to the statute; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at Westr, the 18th day of October, in the year above. By writ, &c.

MOLLARD. 23rd Oct. 1794.

2018. A grant unto DAVID MOLLARD, of the parish of Maddern, in the county of Cornwall, tinner, of his new invented machine for moving all kinds of heavy articles, either by raising or lowering them perpendicularly or by removing them in an horizontal, oblique, or curvilinear direction, or on any inclining or declining plane, or by changing the direction of the said articles from that in which they are moving into other directions, as occasion may require; and in all perpendicular, oblique, or curvilinear directions, if required, to keep the action of the weight of the rope or chain by which any article is suspended equal or nearly so upon the power working the machine, at all depths whatever, notwithstanding the variable length and consequent weight of such rope or chain; and where the articles are moved in any bucket or other vessel by the machine in an horizontal, oblique, or curvilinear direction, or on any inclining or declining plane, the same may be emptied or thrown out of

such bucket or other vessel by the motion of the machine only; which machine will be of very great utility to His Majesty's subjects for a variety of purposes, particularly in loading and unloading ships and other vessels, and also land carriages, in drawing water out of mines or deep wells, in drawing tin stuff, copper ore, coals, earth, and other articles out of mines, in removing earth, mud, rubbish, gravel, or other articles out of or from ponds, piers, canals, ditches, rivers, or any other places; all which (so far as relates to the moving of all kinds of heavy articles in an horizontal, oblique, or curvilinear direction, or on an inclining or declining plane, or to the changing the direction of the articles from that in which they are first moved into any other direction,) is chiefly performed by means of a particular part of the machine which the said David Mollard calls a moveable catch frame, but which frame may be omitted in all machines which are only meant to raise or lower heavy articles perpendicularly; to hold to him, his executors, administrators, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within one calendar month from the date hereof. W. H. M. at Westminster, the 23d day of October, in the year above. By writ, &c.

COLLINGE. 30th Oct. 1794.

2019. A grant unto JOHN COLLINGE, of Buxton Place, in the parish of Saint Mary, Lambeth, in the county of Surry, patent axle tree maker, of his new invented improvement upon sugar mills, which will occasion less power to work them, and are not liable to be out of order; to hold to him, his exors, admors, & asss, within Engd, Wales, & town of Berwick-upon-Tweed, and also within His Majesty's colonies & plantations abroad, for the term of 14 yrs pursuant to the statute; with a clause to inroll the same within one calendar month from the date hereof. W. H. M. at Westr, the 30th day of October, the year above. By writ, &c.

VIDLER. 5th Nov. 1794.

2020. A grant unto JOHN VIDLER, of Milbank Street, in the parish of St John the Evangelist & city of Westminster, builder, of his new invented method of bending all kinds of timber, whereby the grain thereof is preserved in all cases where circular work is required; to hold to him, his exors, admors, & asss, within Engd, Wales, & town of Berwick-upon-Tweed for the term of 14 yrs pursuant to the statute; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at Westr, the 5th day of November, in the year above. Privy Seal bill dated 23d March, 32d Geo. 3d. Sealed by order dated this day. By writ, &c.

PRICE. 11th Nov. 1794.

2021. A grant unto JOHN PRICE, of Oaken Gates, in the parish of Wornbridge, in the county of Salop, miner, of his new invented method or contrivance to save a large portion of the water at locks upon navigable canals; to hold to him, his exors, admors, & asss, within Engd, Wales, & town of Berwick-upon-Tweed for the term of 14 yrs pursuant to the statute; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at Westr, the 11th day of Novr, in the year above. By writ, &c.

DUNNAGE. 11th Nov. 1794.

2022. A grant unto GEORGE DUNNAGE, of Gloucester Terrace, Hoxton, in the parish of St Leonard, Shoreditch, in the county of Middlesex, gentleman, of his new invented way or method for making and manufacturing water proof hats in imitation of beaver; to hold to him, his exors, admors, & asss, within Engd, Wales, & town of Berwick-upon-Tweed for the term of 14 yrs pursuant to the statute; with a clause to inrol the same within 4 calendar months from the date hereof. W. H. M. at Westr, the 11th day of Novr, in the year above. By writ, &c.

STEVENSON. 15th Nov. 1794.

2023. A grant unto WALTER HART STEVENSON, spinner of linen yarn by water machines, at Kirkland, in the county of Fife, North Britain, of his new invented machines to hackle, dress, and prepare flax & hemp by water, steam, or horse mills, or by any other moving power, for the purposes of spinning, which he conceives will be of great public utility in the manufacture of linen, sail cloth, and cordage ; to hold to him, his exors, admors, & ass^{s}, within Eng^{d}, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute ; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at West^{r}, the 15th day of Nov^{r}, in the year above. By writ, &^{c}.

BANNISTER. 22nd Nov. 1794.

2024. A grant unto JOHN BANNISTER, of Devizes, in the county of Wilts, hosier, of his new invented mode of driving and working mills and all other machines and engines driven or worked with wheel work, and of increasing the powers of mills and all such other machines and engines as aforesaid ; to hold to him, his exors, admors, and assigns, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute ; with a clause to inroll the same within one calendar month from the date hereof. W. H. M. at Westm^{r}, the 22^{d} day of November, in the year above. By writ, &^{c}.

KEY. 25th Nov. 1794.

2025. A grant unto JAMES KEY, of Portsmouth Street, in the parish of Saint Clement Danes, in the county of Middlesex, taylor, of his new invented method of making ladies' elastic habits and gentlemen's coats without seams ; to hold to him, his exors, admors, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute ; with a clause to inroll the same within one calendar month from the date hereof. W. H. M. at Westm^{r}, the 25th day of November, in the year above. By writ, &^{c}.

CUNNINGHAM. 28th Nov. 1794.

2026. A grant unto WILLIAM CUNNINGHAM, of the city of Edinburgh, chemist, of his new invented process or method of manufacturing paper of the quality called tea crown paper from grays and ropes, papers called pot, small post, demy, royal, inferiour or papers of similar qualities from rags known by the names of tea crown and bible crown rags and thirds, and papers called fine imperial, royal, super royal, writing royal, medium, writing demy, thick post, thin post, fine foolscap, and all others, papers which have been hitherto reckoned of the finest quality, from rags denominated seconds ; and also by means of this process to make from fine rags papers of a finer and more beautiful quality and colour than have been hitherto manufactured, and to destroy and entirely take away the strews, pobs, and parts of the stem of the flax and hemp that are in the rags, and which have hitherto been the greatest obstacle in the manufacture of paper ; and also to eradicate from the rags, or half stuff and other materials used in making papers, the oils and all colouring matter contained in said materials ; to hold to him, his exors, admors, & ass^{s}, within Eng^{d}, Wales, & town of Berwick-upon-Tweed for the term of 14 y^{rs} pursuant to the statute ; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at West^{r}, the 28th day of November, in the year above. By writ, &^{c}.

PROSSER. 9th Dec. 1794.

2027. A grant unto THOMAS PROSSER, of the parish of Saint Giles-in-the-Fields, in the county of Middlesex, joiner, of his new invented machine for printing of letter press ; to hold to him, his exors, admors, & ass^{s}, within Eng^{d}, Wales, & town of Berwick-upon-Tweed for the term of 14 y^{rs} pursuant to the statute ; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at West^{r}, the 9th day of Dec^{r}, in the year above. By writ, &^{c}.

STODART. 12th Jan. 1795.

2028. A grant unto WILLIAM STODART, of Golden Square, in the city of Westminster, piano forte maker, of his new invented upright grand piano forte, of the form of a book case, the mechanism of which is upon an entire new construction; to hold to him, his exors, admors, & assigns, within Engd, Wales, & town of Berwick-upon-Tweed for the term of 14 yrs pursuant to the statute; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at Westr, the 12th day of January, in the year 1795. By writ, &c.

CONNOP. 12th Jan. 1795.

2029. A grant unto THOMAS CONNOP, of Sheffield, in the county of York, whitesmith, of his new invented machine or engine for batting cotton and wool; to hold to him, his exors, admors, & ass^{s}, within Engd, Wales, & town of Berwick-upon-Tweed for the term of 14 yrs pursuant to the statute; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at Westr, the 12th day of January, in the year above. By writ, &c.

TIMMINS. 12th Jan. 1795.

2030. A grant unto JAMES TIMMINS, of Birmingham, in the county of Warwick, button maker, of his new invented method of manufacturing cocks for drawing off ale, beer, or any other liquid; to hold to him, his exors, admors, & ass^{s}, within Engd, Wales, & town of Berwick-upon-Tweed for the term of 14 yrs pursuant to the statute; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at Westr, the 12th day of January, in the year above. By writ, &c.

CROSBEY. 12th Jan. 1795.

2031. A grant unto THOMAS CROSBEY, of the city of Bath, in the county of Somerset, vintner, of his new invented moveable regulating machine or apparatus for the improvement of fireplaces and flues; to hold to him, his exors, admors, & assigns, within Engd, Wales, & town of Berwick-upon-Tweed for the term of 14 yrs pursuant to the statute; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at Westr, the 12th day of Jañry, in the year above. By writ, &c.

CROOK. GERMAN. 12th Jan. 1795.

2032. A grant unto THOMAS CROOK, of Great Queen Street, Lincoln's Inn Fields, in the county of Middlesex, coachmaker, and THOMAS GERMAN, of Baldwin's Gardens, in the said county of Middlesex, gentleman, of their new invented machine, contrivance, or device, for the prevention and cure of smoaking chimnies; to hold to them, their exors, admors, & ass^{s}, within Engd, Wales, & town of Berwick-upon-Tweed for the term of 14 yrs pursuant to the statute; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at Westr, the 12th day of Jañry, in the year above. By writ, &c.

WILDE. 19th Jan. 1795.

2033. A grant unto ARNOLD WILDE, of Sheffield, in the county of York, saw maker, of his new invented method of making & manufacturing of all sorts of plane irons, scythes, sickles, drawing knives, hay knives, and all other kinds of edge tools, from a preparation of cast steel and iron united, and incorporated together by means of fire; to hold to him, his exors, admors, & ass^{s}, within Engd, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within one calendar month from the date hereof. W. H. M. at Westr, the 19th day of Jañry, in the year above. By writ, &c.

SELLARS. STANDAGE. 19th Jan. 1795.

2034. A grant unto WILLIAM SELLARS and PETER STANDAGE, both of Bridgenorth, in the county of Salop, manufacturers of spinning machines, and copartners of their new invented improvements in the preparing and spinning of flax, hemp, tow, and several other things, by heckles and machines, and

which machines may be worked or used by water, steam, or horse mills, or by any other moving power; and such improvements will be of great public utility in the manufacturing of linen, sail cloth, cordage, and several other things; to hold to them, their exors, admors, & ass^{s}, within Eng^{d}, Wales, & town of Berwick-upon-Tweed for the term of 14 y^{rs} pursuant to the statute; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at West^{r}, the 19th day of Jañry, in the year above. By writ, &^{c}.

BENTHAM. 24th Jan. 1795.

2035. A grant unto SAMUEL BENTHAM, of Queen Square Place, Westminster, esq^{r}, of his new invented method of performing and facilitating the business of divers manufacturing and œconomical processes; to hold to him, his exors, admors, & ass^{s}, within Eng^{d}, Wales, & town of Berwick-upon-Tweed for the term of 14 y^{rs} pursuant to the statute; with a clause to inrol the same within six calendar months from the date hereof. W. H. M. at West^{r}, the 24th day of Jañry, in the year above. By writ, &^{c}.

ATHERTON. 29th Jan. 1795.

2036. A grant unto PETER ATHERTON, of Hunter Street, Liverpool, in the county of Lancaster, engine maker, of his new invented machine for twisting, winding, and doubling cotton and wool in a better and more expedious manner than heretofore; to hold to him, his exors, admors, and assigns, within England, Wales, and town of Berwick-upon-Tweed, and also within His Majesty's colonies and plantations abroad, for the term of fourteen years pursuant to the statute; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at Westminster, the 29th day of January, in the year above. By writ, &^{c}.

ECKHARDT. 31st Jan. 1795.

2037. A grant unto ANTHONY GEORGE ECKHARDT, of Sloane Street, Chelsea, in the county of Middlesex, manufacturer, of his new invented method of applying the use of animals to machinery in general; to hold to him, his exors, admors, & assigns, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at Westminster, the 31st day of January, in the year above. By writ, &^{c}.

JUBB. 19th Feb. 1795.

2038. A grant unto JOHN JUBB, of Leeds, in the county of York, millwright and mechanic, of his new invented machine, for the purpose of thrashing and winnowing of all sorts of corn and grain; to hold to him, his exors, admors, & ass^{s}, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 y^{rs} pursuant to the statute; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at West^{r}, the 19 day of Feby, in the year above. By writ, &^{c}.

DUNDONALD. 28th Feb. 1795.

2039. A grant unto ARCHIBALD Earl of DUNDONALD of his new discovered method or methods of preparing and applying certain saline bodies and other substances as manures or stimulants to the ground; that, besides their promoting vegetation, there is the greatest reason to believe, from such experiments as have been already made, that several of the saline preparations of which the application to ground has been discovered by the said Archibald Earl of Dundonald will have the effect to destroy those insects which prey or feed upon plants or their roots, whereby great advantage will accrue to agriculture, and ultimately to the inhabitants of these kingdoms, by a more plentiful and consequently cheaper supply of food; to hold to him, his exors, admors, & ass^{s}, within Eng^{d}, Wales, & town of Berwick-upon-Tweed, and also within His Majesty's colonies and plantations abroad, for the term of 14 years

pursuant to the statute ; with a clause to inrol the same within six calendar months from the date hereof. W. H. M. at Westr, the 28th day of February, in the year above. By writ, &c.

Bigg. 28th Feb. 1795.

2040. A grant unto John Bigg, of Iping, in the county of Sussex, paper maker, of his new invented mode of bleaching paper by a cheap and expeditious process, in consequence of which the colour of such paper will be so effectually fixed as not to be affected by heat or any length of time ; to hold to him, his exors, admors, & asss, within Engd, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute ; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at Westr, the 28th day of Febry, in the year above. By writ, &c.

Bolton. 28th Feb. 1795.

2041. A grant unto George Bolton, of Upper Charlotte Street, Rathbone Place, in the county of Middlesex, gentleman, of his new improved gun lock for muskets, pistols, and other fire arms ; to hold to him, his exors, admors, & asss, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute ; with a clause to inrol the same within one calendar month from the date hereof, and enter into such bond as therein mentioned. W. H. M. at Westr, the 28th day of Febry, in the year above. By writ, &c.

Webb. 28th Feb. 1795.

2042. A grant unto Richard Webb, of the city of Chester, gentleman, of his new invented improvement in the construction of guns and other fire arms, whereby the many and fatal accidents which have happened by the bursting thereof will be effectually prevented ; to hold to him, his exors, admors, & asss, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute ; with a clause to inrol the same within one calendar month from the date hereof, and enter into such bond as therein mentioned. W. H. M. at Westr, the 28th day of Febry, in the year above. By writ, &c.

Dundonald. 11th March 1795.

2043. A grant unto Archibald Earl of Dundonald of his new invented method or methods of disengaging and obtaining a mineral or fossil alkali or soda, and a vegetable alkali or pearl or pot ash, from neutral salts composed of those alkalies and an acid, or from the solutions of those salts ; that in processes previous to the disengagement of those alkalies, or in processes connected therewith, several articles are disengaged or formed which may be collected and applied to several valuable purposes ; to hold to him, his exors, admors, & asss, within Engd, Wales, & town of Berwick-upon-Tweed, and also within His Majesty's colonies and plantations abroad, for the term of 14 yrs pursuant to the statute ; with a clause to inrol the same within six calendar months from the date hereof. W. H. M. at Westr, the 11th day of March, in the year above. By writ, &c.

Passman. 21st March 1795.

2044. A grant unto John Passman, of Doncaster, in the county of York, gentleman, of his new invented instrument or machine to be employed in combing or heckling, or preparing for combing or heckling, wool, hemp, flax, silk, hair, or cotton, and for improvements in machinery for spinning the same or any other material, adapted for the purpose of clearing or preparing wool, hemp, flax, silk, hair, or cotton for combing or heckling before spinning; to hold to him, his exors, admors, & asss, within Engd, Wales, & town of Berwick-upon-Tweed, and also within His Majesty's colonies and plantations abroad, for the term of 14 yrs pursuant to the statute ; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at Westr, the 21st day of March, in the year above. By writ, &c.

BRAMAH. 31st March 1795.

2045. A grant unto JOSEPH BRAMAH, of Piccadilly, in the county of Middlesex, engineer, of his new invented methods of producing and applying a more considerable degree of power to all kinds of mechanical apparatus, and other machinery requiring motion and force, than by any means at present practised for that purpose; to hold to him, his ex̃ors, adm̃ors, & assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inrol the same within one calendar month from the date hereof. Witness His Majesty at Westminster, the 31st day of March, in the year above. By writ, &c.

CARTWRIGHT. 14th April 1795.

2046. A grant unto EDMUND CARTWRIGHT, of Doncaster, in the county of York, master of arts, clerk, of his new invented principle on which bricks, stones, or any other building materials which may be substituted for these articles, may be so formed as to be applied with peculiar advantage in the erection of walls and in the construction of arches; to hold to him, his ex̃ors, adm̃ors, & ass^{s}, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 y^{rs} pursuant to the statute; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at West^{r}, the 14th day of April, in the year above. By writ, &c.

MILLER. 14th April 1795.

2047. A grant unto SAMUEL MILLER, of Well Street, Oxford Road, in the parish of S^{t} Mary-le-bone & county of Midx, engraver, of his new invented machine and process for the purpose of preparing cork, both for ornament and use, in a much more cheap and expeditious manner than by any method hitherto practised, and by means of which cork so prepared will be of a superior quality; to hold to him, his ex̃ors, adm̃ors, & ass^{s}, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at West^{r}, the 14th day of April, in the year above. By writ, &c.

FRY. 7th May 1795.

2048. A grant unto JOSEPH STORRS FRY, of the city of Bristol, chocolate maker, of his new invented method of roasting cocoa nuts; to hold to him, his ex̃ors, adm̃ors, & ass^{s}, within Eng^{d}, Wales, & town of Berwick-upon-Tweed for the term of 14 y^{rs} pursuant to the statute; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at West^{r}, the 7th day of May, in the year above. By writ, &c.

SIBLY. 7th May 1795.

2049. A grant unto EBENEZER SIBLY, of Upper Titchfield Street, in the parish of Saint Mary-le-bone, in the county of Middlesex, doctor in physic, of his new invented reanimating tincture, which he hath called "the reanimating solar tincture," and which medicine operates without the least violence or disturbance to the animal œconomy in the most delicate constitutions; of great efficacy in the cure of all scorbutic disorders, impurity of the blood, muscular debility, weak nerves, convulsions, cramps, and all disorders of the stomach and bowels, rheumatism, gout, and hysterick complaints; an efficacious styptic in any violent bleeding, and, when outwardly applied, healing in a short time cuts, stabs, or gunshot wounds (if not mortal), and a certain preventative against mortification in such cases; to hold to him, his ex̃ors, adm̃ors, & ass^{s}, within Eng^{d}, Wales, & town of Berwick-upon-Tweed, and also within His Majesty's colonies and plantations abroad, for the term of 14 y^{rs} pursuant to the statute; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at West^{r}, the 7th day of May, in the year above. By writ, &c.

LAMBE. 12th May 1795.

2050. A grant unto THOMAS LAMBE, of the parish of Saint Bride, in the city of London, surgeon dentist, of his new invented improved truss for persons afflicted with bubonocele and other ruptures; to hold to him, his

exors, admors, & assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute ; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at Westr, the 12th day of May, in ye year above. By writ, &c.

Tucker. 12th May 1795.

2051. A grant unto John Tucker, of Wickham, in the county of Southampton, tanner, of his new invented method of tanning and making leather of a superior quality and in a much shorter period of time than hath hitherto been done ; to hold to him, his exors, admors, & asss, within Engd, Wales, & town of Berwick-upon-Tweed for the term of 14 yrs pursuant to the statute ; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at Westr, the 12th day of May, in the year above. By writ, &c.

Baylis. 30th May 1795.

2052. A grant unto William Baylis, of Red Lyon Street, in the parish of Saint Andrew, Holborn, in the county of Middlesex, tin plate worker, of his new invented improved lamp for lighting of streets, lanes, halls, houses, warehouses, shops, and various other purposes, whereby labour is considerably reduced, and a great saving made in oil and other materials ; to hold to him, his exors, admors, & asss, within Engd, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute ; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at Westr, the 30th day of May, in the year above. By writ, &c.

Naylor. 2nd June 1795.

2053. A grant unto William Naylor the younger, of Langworth, in the county of Lincoln, carpenter, of his new invented method for the more easy and expeditious cutting wheat straw and other straw into chaff ; and also for cutting wheat, oats, or other grain unthrashed ; and for cutting wheat, oats, or other grain in the ear, with clover or other grass ; to hold to him, his exors, admors, & asss, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute ; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at Westr, the 2d day of June, in the year above. By writ, &c.

Hawkes. 2nd June 1795.

2054. A grant unto George Hawkes, of the parish of Longfleet, in the county of Dorset, tanner, of his new invented manufacture for tanning ; to hold to him, his exs, ads, & asss, within Engd, Wales, & town of Berwick-upon-Tweed, and also within His Majesty's colonies & plantations abroad, for the term of 14 yrs pursuant to the statute ; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at Westr, the 2d day of June, in the year above. By writ, &c.

Wigfull. 2nd June 1795.

2055. A grant unto Thomas Wigfull, of Aldwark, in the parish of Rotherham, in the county of York, miller, of his new invented machine for separating grain of all kinds from the straw and refuse, which is capable of being worked by hand or with cattle, and conveyed in the manner of a wheel carriage to any place convenient for its operation, and will in the course thereof protect its contents from the inclemency of the weather ; or the same machine, by the alteration of its outward apparatus, may be worked by any power in a fixed situation ; to hold to him, his exors, admors, & assigns, within England, Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at Westr, the 2d day of June, in the year above. By writ, &c.

Weightman. 1st July 1795.

2056. A grant unto Richard Weightman, late of Carlton-upon-Trent, in the county of Nottingham, but now of London, gentleman, of his new invented improved stove or grate ; to hold to him, his exors, admors, & assigns, within

Eng^{d}, Wales, & town of Berwick-upon-Tweed for the term of 14 y^{rs} pursuant to the statute ; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at West^{r}, the 1st day of July, in the year above. By writ, &^{c}.

EDGELL. 20th July 1795.

2057. A grant unto JAMES EDGELL, of Frome Selwood, in the county of Somerset, gentleman, of his new invented axles for wheel carriages carrying heavy loads, with wheels commonly called friction wheels applied to such axles in a method not hitherto used or applied to wheel carriages, by which means the friction on the axles of the wheels will be greatly lessened and the carriages drawn with much less power than by any construction before used, and which invention is very different from any other before found out for reducing the friction on the axles of wheel carriages ; to hold to him, his ex̃ors, adm̃ors, & assigns, within Eng^{d}, Wales, & town of Berwick-upon-Tweed for the term of 14 y^{rs} pursuant to the statute ; with a clause to inrol the same within one calendar month from the date hereof. Witness His Majesty at West^{r}, the 20th day of July, in the year above. By writ, &^{c}.

STANTON. 29th July 1795.

2058. A grant unto JACOB STANTON, of Weybread, in the county of Suffolk, miller, of his new invented machine for the relief of persons labouring under the misfortune of a fractured leg or thigh, which he calls a leg and thigh machine; to hold to him, his ex̃ors, adm̃ors, & ass^{s}, within Eng^{d}, Wales, & town of Berwick-upon-Tweed for the term of 14 y^{rs} pursuant to the statute; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at West^{r}, the 29th day of July, in the year above. By writ, &^{c}.

AMATT. 3rd August 1795.

2059. A grant unto ANTHONY AMATT, of Tiverton, in the county of Somerset, engineer, of his new invented machine for combing wool and heckling flax and hemp, and which machine may be worked or used by water, steam, or horse mills, or by any other moving power, and will, he conceives, be of great public utility in manufacturing woollen and linen; to hold to him, his ex̃ors, adm̃ors, & ass^{s}, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 y^{rs} pursuant to the statute; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at West^{r}, the 3^{d} day of August, in the year above. By writ, &^{c}.

HECKFORD. 24th August 1795.

2060. A grant unto NATHANIEL HECKFORD, of the city of Gloucester, gentleman, of his new invented certain engine or machine, or certain machinery, for the purpose of raising and removing of earth, sand, gravel, clay, stones, or any other thing from the bottom of canals or other places of any depth to the surface of the earth, or higher if required; to hold to him, his ex̃ors, adm̃ors, andassigns, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at West^{r}, the 24th day of August, in the year above. By writ, &^{c}.

HENSHALL. 24th August 1795.

2061. A grant unto SAMUEL HENSHALL, of Princes Street, in the parish of Christchurch, in the county of Middlesex, clerk, of his new discovered manufacture, to wit, a new method of constructing and improving corkscrews ; to hold to him, his ex̃ors, adm̃ors, and assigns, within England, Wales, and town of Berwick-upon-Tweed, and also within His Majesty's colonies and plantations abroad, for the term of 14 years pursuant to the statute ; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at Westminster, the 24th day of August, in the year above. By writ, &^{c}.

SPEARS.
28th August 1795.

2062. A grant unto JAMES SPEARS, of Tilmouth, in the county palatine of Durham, gunsmith, of his certain new invented improvements in the construction of locks, which he conceives will be of great public utility; to hold to him, his exors, admors, and assigns, within England, Wales, and town of Berwick-upon-Tweed, for the term of 14 years pursuant to the statute; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at Westminster, the 28th day of August, in the year above.
By writ, &c.

BELL.
8th Sept. 1795.

2063. A grant unto WILLIAM BELL, of Walsall, in the county of Stafford, engineer, of his new invented and discovered great improvement in the making and manufacturing of all sorts of needles, bodkins, knitting pins, fish hooks, netting needles, mesh pins, and sail needles; to hold to him, his executors, admors, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at Westminster, the 8th day of September, in the year above.
By writ, &c.

PROSSER.
8th Sept. 1795.

2064. A grant unto JOHN PROSSER, of Back Hill, in the parish of Saint Andrew, Holborn, in the county of Middlesex, whitesmith, of his new invented improvement in smoke jacks; to hold to him, his executors, administrators, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at Westminster, the 8th day of September, in the year above. By writ, &c.

BRAITHWAITE.
18th Sept. 1795.

2065. A grant unto JOHN BRAITHWAITE, of the New Road, in the parish of Saint Pancras, in the county of Middlesex, engine maker, of his invented certain new improvements in the construction of smoke jacks; to hold to him, his exors, admors, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at Westminster, the 18th day of September, in the year above.
By writ, &c.

BURDON.
18th Sept. 1795.

2066. A grant unto ROWLAND BURDON, of Harley Street, Cavendish Square, in the county of Middlesex, esquire, of his new invented certain mode or manner of making, uniting, and applying cast iron blocks, to be substituted in lieu of key stones in the construction of arches; the said cast iron blocks being kept in their proper position, and made to abut against each other, and to support any incumbent structure by means of wrought iron bars and wrought or cast iron braces being affixed to their sides, and passing horizontally between ribs composed of the said cast iron blocks; by the use of which, in bridges and other erections, he apprehends great advantage may arise to the public; to hold to him, his exors, admors, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within one calendar month from the date hereof. W. H. M. at Westminster, the 18th day of September, in the year above. By writ, &c.

HOFLAND.
28th Sept. 1795.

2067. A grant unto THOMAS HOFLAND, of Tufton Street, in the parish of Saint John the Evangelist, Westminster, and county of Middlesex, engineer, of his new invented various important improvements of a double beating and graduating engine or machine loom for weaving by the powers of steam or water, whereby he can weave, from the finest calico or woollen cloths to the strongest canvas or sail cloth, in greater perfection than can be done by

any other engine loom hitherto in use; to hold to him, his executors, administrators, and assigns, within England, Wales, and town of Berwick-upon-Tweed, and also within His Majesty's colonies and plantations abroad, for the term of 14 years pursuant to the statute; with a clause to inroll the same within six calendar months from the date hereof. W. H. M. at Westminster, the 28th day of September, in the year above. By writ, &c.

Wilson. 15th Oct. 1795.

2068. A grant unto Christopher Wilson, late of Scarborough, in the county of York, master mariner, but now of the city and liberty of Westminster, of his new invented method of combining timbers applicable to the improvement of naval architecture, and all ponderous and large works composed of wood; to hold to him, his exors, admors, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inrol the same within one calendar month from the date hereof; and also, if the said Christopher Wilson, his exors, admors, or assigns, shall not enter into such bond, obligation, or recognizance in such form and manner, in such words and under such penalty, as he or they shall, within one month from the date hereof, be required to enter into by His Majesty's attorney and solicitor general for the time being, or one of them, for the supplying or causing to be supplied His Majesty's ships and vessels, or any of them, with the said invention, or any part thereof (if he or they shall be thereto required), in such manner and at and upon such reasonable price and terms as shall be prescribed in and by such bond, obligation, or recognizance; and also, if the said Christopher Wilson, his exors, admors, and assigns, shall not well and truly do, perform, and execute all and singular the conditions, provisoes, covenants, and agreements to be expressed in such bond, obligation, or recognizance so to be entered into as aforesaid, then the said grant to be void. W. H. M. at Westmr, the 15th day of October, in the year above. By writ, &c.

Hancock. 15th Oct. 1795.

2069. A grant unto John Gregory Hancock, of Birmingham, in the county of Warwick, artificer, of his new invented method of making and constructing the uprights and cross bars for sash windows, shop windows, or any other windows or lights, as well as for panels for doors, frames for pictures, and fences for pleasure grounds, which has never before been put in practice, and which will be of great utility to the public, by rendering such uprights and cross bars for windows, panels, frames, and fences much thinner, and yet stronger and more durable, than the uprights and cross bars now used for the same purposes, and upon such a construction as the uprights and cross bars cannot be forced, nor the glass taken out on the outside of such sashes, windows, or lights, without breaking the glass; to hold to him, his executors, administrators, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date hereof. W. H. M. at Westminster, the 15th day of October, in the year above. By writ, &c.

Willson. 22nd Oct. 1795.

2070. A grant unto James Willson, of the parish of Saint Ann's, in the county of Middlesex, of his new invented mode of preventing in a material degree the effects of moisture on the human body, and of facilitating relief in inflammatory and spasmodic complaints arising from it and other causes; to hold to him, his executors, admors, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within one calendar month from the date hereof. W. H. M. at Westmr, the 22d day of October, in the year above. By writ, &c.

De Robien. 22nd Oct. 1795.

2071. A grant unto Louis Joseph Francois Julien Count de Robien, of East Street, in the parish of Saint Mary-le-bone, of his new invented fire place, which he calls the œconomical fire place, by means whereof, and of a new method of disposing of the fuel therein, one half of the fuel now necessary to produce any certain degree of heat will be effectually saved, and is also the most certain means to prevent the chimney from smoking; to hold to him, his exors, admors, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date hereof. W. H. M. at Westminster, the 22d day of October, in the year above. By writ, &c.

Grove. 22nd Oct. 1795.

2072. A grant unto Jonathan Grove, of Birmingham, in the county of Warwick, manufacturer, of his new discovered manufacture, to wit, a gun, or lock for guns or fire arms, of a new construction; to hold to him, his executors, administrators, and assigns, within England, Wales, and town of Berwick-upon-Tweed, and also within His Majesty's colonies and plantations abroad, for the term of 14 years pursuant to the statute; with a clause to inroll the same within one calendar month from the date hereof. W. H. M. at Westminster, the 22d day of October, in the year above. By writ, &c.

Floyd. 3rd Nov. 1795.

2073. A grant unto William Floyd, of Berkewell, in the county of Warwick, whitster, of his new invented bucking tub or cistern, with a furnace affixed to and communicating with the same, of a new and peculiar construction, for the purpose of bucking cloth, yarn, or other things usually bleached by means of bucking, the use of which will occasion a very considerable saving of fuel and labour; to hold to him, his executors, administrators, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within one calendar month from the date hereof. W. H. M. at Westminster, the 3d day of November, in the year above. By writ, &c.

Badini. 17th Nov. 1795.

2074. A grant unto Charles Francis Badini, of Pimlico, in the county of Middlesex, gentleman, of his new invented infallible plan or method of detecting as well as preventing all kinds of written forgeries, which he apprehends will be of essential benefit to trade and commerce and to society at large; to hold to him, his exors, admors, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within one calendar month from the date hereof. W. H. M. at Westminster, the 17th day of November, in the year above. By writ, &c.

Carpenter. 19th Nov. 1795.

2075. A grant unto Elias Carpenter, of the Neckinger, in the parish of Saint Mary Magdalen, Bermondsey, in the county of Surry, gentleman, of his new invented method of bleaching paper in the water leaf or sheet, and sizeing it without drying, whereby the manufacture of it will be improved by shortning its process, lessening its expence, and considerably increasing its value; to hold to him, his exors, admors, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within one calendar month from the date hereof. W. H. M. at Westminster, the 19th day of November, in the year above. By writ, &c.

Maunsell. 8th Dec. 1795.

2076. A grant unto Daniel Maunsell, of Sion Row, Clifton, near Bristol, in the county of Somerset, esquire, of his new invented horizontal windmill, upon entire new principles, for grinding corn, and various other

purposes ; to hold to him, his executors, administrators, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute ; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at Westminster, the 8th day of December, in the year above. By writ, &c.

HEWLINGS. 9th Dec. 1795.

2077. A grant unto EDWARD HEWLINGS, of the parish of Saint Mary Magdalen, Bermondsey, in the county of Surry, gentleman, of his new invented apparatus or machinery for the measuring of distances, ascertaining of altitudes and descents, and taking or obtaining the exact dimensions of land, buildings, timber, and other objects, bodies, or articles, at any distance from one station and at one view, in a more accurate and concise manner than by any other instrument or method now in use, and which apparatus or machinery is applicable to a great variety of other useful purposes ; to hold to him, his exors, admors, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute ; with a clause to inroll the same within one calendar month from the date hereof. W. H. M. at Westmr, the 9th day of Decr, in the year above. By writ, &c.

COCKSHOTT. 18th Dec. 1795.

2078. A grant unto WILLIAM COCKSHOTT, of Bolton-in-the-Moors, in the county of Lancaster, cotton manufacturer, of his invention of a new kind of cotton goods, wherein the warp and weft are combined and united together, and the colour raised and thrown up with cotton, silk, linen, or worsted, by a new method, into diamonds, waves, spots, sprigs, flowers, and other figures ; to hold to him, his exors, admors, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within one calendar month from the date hereof. W. H. M. at Westminster, the 18th day of December, in the year above. By writ, &c.

WHITMORE. 4th Jan. 1796.

2079. A grant unto WILLIAM WHITMORE, of Birmingham, in the county of Warwick, engineer, of his new invented improvement in weighing machines ; to hold to him, his executors, administrators, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute ; with a clause to inroll the same within one calendar month from the date hereof. W. H. M. at Westminster, the 4th day of January, in the year above. By writ, &c.

DESMOND. 15th Jan. 1796.

2080. A grant unto WILLIAM DESMOND, of Shepherd Street, Hanover Square, in the county of Middlesex, gentleman, of a new method or process of tanning all sorts of hides and skins, and of rendering more solid and incorruptible in water several vegetable and animal substances, such as flax, hemp, spartery, cotton, silk, hair, wool, &c, as well as the materials made thereof ; to hold to him, his executors, admors, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute ; with a clause to inrol the same within six calendar months from the date hereof. W. H. M. at Westminster, the 15th day of January, in the year above. By writ, &c.

WRIGHT. 19th Jan. 1796.

2081. A grant unto GABRIEL WRIGHT, of Leadenhall Street, in the parish of Saint Peters, Cornhill, in the city of London, mathematical instrument maker, of his new invented several improvements to the azimuth and amplitude compasses, by the addition of a reflecting quadrant and horizon, by which any one person without assistance is enabled to take the azimuth of all celestial objects and their altitudes at the same time, and in every latitude or altitude of the object ; also a new and more correct method of stopping the card of the compass, and reading the degrees and minutes from off the vernier, with or without the card being stopped ; with an apparatus for mechanically

working and solving the problems for finding the magnetic and true azimuths of objects taken by the compass, by which means navigation is much improved, and the use of the compass rendered more familiar and perfectly easy to every capacity; to hold to him, his executors, administrators, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within one calendar month from the date hereof. W. H. M. at Westm^r, the 19^th^ day of January, in the year above. By writ, &^c^.

KELLY. 19th Jan. 1796.

2082. A grant unto JASPER AUGUSTUS KELLY, of the parish of Saint Mary-le-Strand, in the city of Westminster and county of Middlesex, harness maker, of his invented certain new improvements in the construction of harness; to hold to him, his executors, admors, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date hereof. W. H. M. at Westminster, the 19^th^ day of January, in the year above. By writ, &^c^.

JONES. 26th Jan. 1796.

2083. A grant unto EDWARD THOMAS JONES, of the city of Bristol, accomptant, of his new invented speedy and effectual method or plan for detecting errors in accounts of all kinds, and whereby such accounts will be kept and adjusted in a much more regular and concise manner than by any other method hitherto known; to hold to him, his exors, admors, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within one calendar month from the date hereof. W. H. M. at Westminster, the 26^th^ day of January, in the year above. By writ, &^c^.

PAUL. 4th Feb. 1796.

2084. A grant unto WILLIAM PAUL, of Manchester, in the county of Lancaster, dyer, of his new invented machine for the printing and staining of callicoes and other goods; to hold to him, his exors, admors, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within one calendar month from the date hereof. W. H. M. at Westminster, the 4^th^ day of February, in the year above. By writ, &^c^.

CRESWELL. 4th Feb. 1796.

2085. A grant unto JOSEPH CRESWELL, of the parish of Saint George, Hanover Square, in the county of Middlesex, gentleman, of his new invented improved pump, which he calls the quadrant pump, which will raise and discharge more water or other liquid with less power than any hand pump now in use; to hold to him, his executors, administrators, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within one calendar month from the date hereof. W. H. M. at Westm^r, the 4^th^ day of February, in the year above. By writ, &^c^.

STUARD. 4th Feb. 1796.

2086. A grant unto JAMES STUARD, of the parish of Saint Ann, Limehouse, in the county of Middlesex, of his new invented anchor, on a new construction, for ships and vessels, which is much superior to those now used; to hold to him, his executors, admors, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within one calendar month from the date hereof; and also, if the said James Stuard, his exors, admors, or assigns, shall not enter into such bond, obligation, or recognizance, in such form and manner, in such words and under such penalty, as he or they shall, within one calendar month from the date hereof, be required to enter into by His Majesty's attorney and solicitor general for the time being, or one of them,

for the supplying or causing to be supplyed His Majesty's ships and vessels, or any of them, with the said invention, or any part thereof, (if he or they shall be thereunto required,) in such manner, and at and upon such reasonable price and terms as shall be prescribed in and by such bond, obligation, or recognizance; and also, if the said James Stuard, his exors, admors, and assigns, shall not well and truly do, perform, and execute all and singular the conditions, provisoes, covenants, and agreements to be expressed in such bond, obligation, or recognizance so to be entered into as aforesaid, that then and in any of the said cases the said grant shall utterly cease, determine, and become void. W. H. M. at Westmr, the 4th day of February, in the year above. By writ, &c.

Cook. Eva. 9th Feb. 1796.

2087. A grant unto Edward Cook, of the town of Falmouth, in the county of Cornwall, painter, and Richard Eva, of the same place, watchmaker, of their new invented apparatus, machinery, or instruments, on a new construction, for the purpose of taking observations and altitudes, both by sea and land, without any dependance on the visible or sensible horizon; to hold to them, their exors, admors, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within one calendar month from the date hereof. W. H. M. at Westminster, the 9th day of February, in the year above. By writ, &c.

Rudder. 16th Feb. 1796.

2088. A grant unto William Rudder, of Birmingham, in the county of Warwick, cock founder, of his new invented method of making cocks of all sorts and descriptions whatsoever, and of all kinds of metals, for the purpose of drawing ale, porter, beer, cyder, water, and other fluids from barrels, vats, coolers, boilers, coppers, cisterns, pipes, and all kinds of vessels, so as to prevent leakage, by the application of one or more rings or collars of leather, cork, or any other elastic substance to the key or plug of the said cock; to hold to him, his exors, admors, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within one calendar month from the date hereof. W. H. M. at Westmr, the 16th day of February, in the year above. By writ, &c.

Grimshaw. 17th Feb. 1796.

2089. A grant unto John Grimshaw, of Strines Hall, in the county of Derby, callico printer, of his new invention or discovery of certain vegitable substances, in particular states of preparation, to be used in clearing or bleaching, or assisting to clear or bleach, printed, painted, stained, or dyed cloths or other materials, consisting of or manufactured from linen, cotton, hemp, silk, or wool, or any two or more of them, and other printed, painted, stained, or dyed goods, manufactured or produced from animal or vegitable materials or both; to hold to him, his exors, admors, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within one calendar month from the date hereof. W. H. M. at Westminster, the 17th day of February, in the year above. By writ, &c.

Hately. 19th Feb. 1796.

2090. A grant unto Joseph Hately, of the city of Worcester, engineer, of his new invented method of extracting and making from vegitable bodies a new astringent acid liquid applicable to improvements in divers arts and manufactures; to hold to him, his executors, administrators, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within one calendar month from the date hereof. W. H. M. at Westminster, the 19th day of February, in the year above. By writ, &c.

MATHEW. 22nd Feb. 1796.

2091. A grant unto FELTON MATHEW, of Three Cranes Wharf, in the city of London, merchant, of his discovered method of compleatly separating the beer from yeast, and preserving the yeast for a great length of time and in any climate; to hold to him, his exors, admors, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within one calendar month from the date hereof. W. H. M. at Westm^{r}, the 22^{d} day of February, in the year above. By writ, &c.

CLAY. 27th Feb. 1796.

2092. A grant unto HENRY CLAY, of Birmingham, in the county of Warwick, esquire, of his new invented carriage or machine for the conveyance of and for the shooting and discharging thereout coals, lime, soil, manure, stones, gravel, sand, rubbish, and other materials, which has never before been made use of for those purposes; to hold to him, his executors, admors, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within one calendar month from the date hereof. W. H. M. at Westm^{r}, the 27th day of February, in the year above. By writ, &c.

BOWMAN. 1st March 1796.

2093. A grant unto MICHAEL BOWMAN, of Upper Titchfield Street, in the parish of Saint Mary-le-bone, in the county of Middlesex, surgeon, of his new invented truss for the prevention and cure of ruptures, on an improved principle, having a jointed and spring pad and elastic understrap, and circular band, instead of the iron and steel or other metallic circular bands now in use, and which will fit persons of different size; and the same truss will do equally well for ruptures on either side; to hold to him, his executors, administrators, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within one calendar month from the date hereof. W. H. M. at Westminster, the 1st day of March, in the year above. By writ, &c.

ATKINSON. 8th March 1796.

2094. A grant unto JOHN ATKINSON, of Harrington, near Liverpool, in the county palatine of Lancaster, colour manufacturer, of his new invention or discovery of the use and application of certain materials for making a valuable white paint or colour, and of making paint or colour from the said materials, which will, in a great degree, answer the purpose of white lead; to hold to him, his exors, admors, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inrol the same within one calendar month from the date hereof. W. H. M. at Westm^{r}, the 8th day of March, in the year above. By writ, &c.

SALMON. 8th March 1796.

2095. A grant unto ROBERT SALMON, of Woburn, in the county of Bedford, surveyor, of his new invented improvement in the general construction of certain machines for the purpose of weighing any kind of goods, merchandizes, carriages, waggons, &c; to hold to him, his exors, admors, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within one calendar month from the date hereof. W. H. M. at Westm^{r}, the 8th day of March, in the year above. By writ, &c.

MURRAY. 8th March 1796.

2096. A grant unto WILLIAM MURRAY, esquire, (commonly called Lord WILLIAM MURRAY,) of his new invented method of extracting starch from the horse chesnut by a new and simple method, at present unknown to any but himself, which he believes will be of great public utility and benefit, as it will tend to reduce the consumption of wheat, and may be purchased at a much easier expence than the starch now in consumption; to hold to him, his exors,

admors, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within one calendar month from the date hereof. W. H. M. at Westmr, the 8th day of March, in the year above. By writ, &c.

Buchanan. 8th March 1796.

2097. A grant unto Robertson Buchanan, engineer, and overseer or manager of the Cotton Milns of Rothsay, in the island of Bute, in that part of Great Britain called Scotland, of his new invented pump, upon an improved construction, for raising water in various situations, but more particularly on board ships, and which may occasionally be converted into an engine for extinguishing of fire; is not liable to choak or go out of repair, being so constructed as to prevent gravel, dirt, or other things from causing an unnecessary tear and wear of the parts or from lodging in it; and having its valves so situated as to be within the command of a person's hand without taking any part of it asunder; may be worked by any of the methods practised in working the common pump, and is capable of raising a greater quantity of water, with an equal given force, than any other machine for the purpose hitherto invented; to hold to him, his exors, admors, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within one calendar month from the date hereof; and also, if the said Robertson Buchanan, his exors, admors, or assigns, shall not enter into such bond, obligation, or recognizance, in such form and manner, in such words, and under such penalty, as he or they shall at any time during the said term of 14 years be required to enter into by His Majesty's attorney and solicitor general for the time being, or one of them, for the supplying or causing to be supplied His Majesty's ships and vessels, or any of them, with the said invention or any part thereof (if he or they shall be thereto required) in such manner and at and upon such reasonable price and terms as shall be prescribed in and by such bond, obligation, or recognizance; and also, if the said Robertson Buchanan, his exors, admors, and ass^{s}, shall not well and truly do, perform, and execute all and sing^{r} the cond^{ns}, provisoes, cov^{ts}, and agreem^{ts} to be expressed in such bond, oblig^{n}, or recognizance, so to be ent^{d} into as afs^{d}, that then the s^{d} grant and all liberties and advant^{s} whats^{r} thereby granted shall utterly cease, determ^{e}, and become void. W. H. M. at Westmr, the 8th day of March, in the year above.

By writ, &c.

Pratt. 11th March 1796.

2098. A grant unto Major Pratt, of the parish of Pittington Holgarth, in the county palatine of Durham, lime burner, of his new discovered art or method of manufacturing or making a certain composition stone, which, upon inquiry of those to whom he hath exhibited specimens thereof, he supposes will be equally applicable in grinding of all species of corn and other articles as the millstones at present used; which he conceives will be of great public utility, inasmuch as the necessity of purchasing millstones at a foreign market will be obviated; to hold to him, his exors, admors, and assigns, within England, Wales, and town of Berwick-upon-Tweed, and also within His Majesty's colonies and plantations abroad, for the term of 14 years pursuant to the statute; with a clause to inroll the same within 6 calendar months from the date hereof. W. H. M. at Westr, the 11th day of March, in the year above. By writ, &c.

Woods. 17th March 1796.

2099. A grant unto William Woods, late of Walberswick, in the county of Suffolk, master and mariner, but now of Greenwich, in the county of Kent, engineer, of his new invented and improved hand pump for raising water out of ships and other places, by which a great quantity of water can be raised in less time than by any other pump now in use; to hold to him, his exors, admors, and assigns, within England, Wales, and town of Berwick-upon-

Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within six calendar months from the date hereof; and also, if the said William Woods, his executors, admrs, or assigns, shall not enter into such bond, obligation, or recognizance, in such form and manner, in such words, and in such penalty as he or they shall at any time during the said term of 14 years be required to enter into by His Majesty's attorney and solicitor general for the time being, or one of them, for the supplying or causing to be supplied His Majesty's ships and vessels, or any of them, with the said invention or any part thereof (if he or they shall be thereto required) in such manner, at and upon such reasonable price and terms as shall be prescribed in and by such bond, obligation, or recognizance; and also, if the said William Woods, his exors, admrs, and assigns, shall not well and truly do, perform, and execute all and singular the conditions, provisoes, covenants, and agreements to be expressed in such bond, obligation, or recognizance, so to be entered into as aforesaid, that then the said grant and all liberties and advantages whatsoever thereby granted shall utterly cease, determine, and become void. W. H. M. at Westminster, the 17th day of March, in the year above. By writ, &c.

VARLEY. 17th March 1796.

2100. A grant unto RICHARD VARLEY, of Middleton, in the county of Lancaster, merchant, of his new invented and improved method of carding, roving, and spinning cotton, silk, and wool, and for making the cards and other parts of the machinery used for those purposes; to hold to him, his exors, admrs, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within one calendar month from the date hereof. W. H. M. at Westminster, the 17th day of March, in the year above. By writ, &c.

SCANTLEBURY. 17th March 1796.

2101. A grant unto RICHARD SCANTLEBURY, of the parish of Redruth, in the county of Cornwall, founder and brazier, of his new invented bucket and clack for the purpose of raising and lifting or drawing water or other liquids; to hold to him, his exors, admrs, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within one calendar month from the date hereof. W. H. M. at Westminster, the 17th day of March, in the year above. By writ, &c.

HANCOCK. 6th April 1796.

2102. A grant unto JOHN GREGORY HANCOCK, of Birmingham, in the county of Warwick, dyesinker, of his new invented manufacture, namely, paper ornamented by embossing or enchasing in a new stile and manner; to hold to him, his exors, admrs, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within one calendar month from the date hereof. W. H. M. at Westmr, the 6th day of April, in the year above. By writ, &c.

GODFREY. 6th April 1796.

2103. A grant unto SAMUEL GODFREY, of Elliots Row, in the parish of Saint George's, Southwark, in the county of Surry, gentleman, of his new invented machine, which, in operations of draught and burden, will reduce the labour of the animals usually employed; to hold to him, his exors, admrs, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within one calendar month from the date hereof. W. H. M. at Westmr, the 6th day of April, in the year above. By writ, &c.

MOORCROFT. 16th April 1796.

2104. A grant unto WILLIAM MOORCROFT, of the parish of Saint Mary-le-bon, in the county of Middlesex, veterinary surgeon, of his new invented, improved, and expeditious method of making and manufacturing of horse shoes and other articles formed of metals; to hold to him, his exors, admrs,

and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within one calendar month from the date hereof. W. H. M. at Westminster, the 16th day of April, in the year above. By writ, &c.

Wheildon. Bowler. 26th April 1796.

2105. A grant unto Isaac Wheildon, of Copthall Court, Throgmorton Street, London, packer, and John Bowler, of Bear Lane, near Blackfriars Bridge, in the county of Surry, machine maker and engineer, of their new invented method of making and working presses of all kinds and dimensions, and particularly packing presses, by which goods are packed and pressed with much less labour and expence than by the common presses now in use, and considerably closer and more even, and the various sorts of goods are by this invention very much improved; to hold to them, their exors, admors, and assigns, within England, Wales, and town of Berwick upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within one calendar month from the date hereof. W. H. M. at Westminster, the 26th day of April, in the year above. By writ, &c.

Miller. 3rd May 1796.

2106. A grant unto Patrick Miller, of Dalswinton, North Britain, esquire, of his new invented vessel, of a new construction, which draws less water than any other vessel of the same dimensions, which cannot founder at sea, and which is put in motion in calms and in light winds by a method never before practised; to hold to him, his exors, admors, and assigns, within England, Wales, and town of Berwick-upon-Tweed, and also within His Majesty's colonies and plantations abroad, for the term of 14 years pursuant to the statute; with a clause to inroll the same within one calendar month from the date hereof. W. H. M. at Westmr, the 3d day of May, in the year above. By writ, &c.

Johnson. 3rd May 1796.

2107. A grant unto John Johnson, of Tildsley Banks, in the county palatine of Lancaster, clerk, of his new invented method or plan for preventing and curing smoking chimnies; to hold to him, his exors, admors, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date hereof. W. H. M. at Westminster, the 3d day of May, in the year above. By writ, &c.

Sampson. 24th May 1796.

2108. A grant unto Joseph Stacey Sampson, of Tabernacle Walk, Moorfields, in the city of London, of his new invented art or method of cutting up tallow fat, spermaceti, and wax for melting, and of making the same into candles; to hold to him, his exors, admors, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within one calendar month from the date hereof. W. H. M. at Westmr, the 24th day of May, in the year above. By writ, &c.

Jordan. 24th May 1796.

2109. A grant unto James Jordan, of Oakhill, in the parish of Shepton Mallet, in the county of Somerset, gentleman, of his new invented improvements in the building and constructing of bridges, aqueducts, and various public and private buildings, and which may also be applied to other useful purposes; to hold to him, his exors, admors, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within six calendar months from the date hereof. W. H. M. at Westminster, the 24th day of May, in the year above. By writ, &c.

Goldfinch. 24th May 1796.

2110. A grant unto William Goldfinch, of the city of Canterbury, chymist, of his new invented truss for the cure and prevention of ruptures; to hold to him, his executors, administrators, and assigns, within England,

Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within one calendar month from the date hereof. W. H. M. at Westmr, the 24th day of May, in the year above. By writ, &c.

LAW. 31st May 1796.

2111. A grant unto WILLIAM LAW, of the parish of Saint Ann, Soho, in the county of Middlesex, founder, of his new invented improvements in and upon water closets; to hold to him, his exors, admors, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within one calendar month from the date hereof. W. H. M. at Westminster, the 31st day of May, in the year above. By writ, &c.

BOOTH. 31st May 1796.

2112. A grant unto WILLIAM BOOTH, of the parish of Saint Ann, Soho, and county of Middlesex, stay and corset maker, of his new invented improvement in the making of stays and corsettes, by which they will be much more easy and convenient to the wearer than any now in use; to hold to him, his executors, admors, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within one calendar month from the date hereof. W. H. M. at Westminster, the 31st day of May, in the year above. By writ, &c.

HOWELL. 31st May 1796.

2113. A grant unto JOHN HOWELL, of the parish of Oswestry, in the county of Salop, coal master, of his new invented and improved engine or machine for the purpose of boring or hollowing of wooden water pipes or aqueducts in a much more expeditious manner than hitherto practised, and whereby a considerable saving will be made in the article of timber; to hold to him, his exors, admors, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within one calendar month from the date hereof. W. H. M. at Westmr, the 31st day of May, in the year above. By writ, &c.

STRONG. 31st May 1796.

2114. A grant unto JOHN STRONG the younger, of Bingham, in the county of Nottingham, plumber, of his new invented improvements in the construction of piston cylinders, suction chambers, and valves, whereby the same may be more expeditiously repaired, &c; to hold to him, his exors, admors, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within one calendar month from the date hereof. W. H. M. at Westminster, the 31st day of May, in the year above. By writ, &c.

HASKEW. 31st May 1796.

2115. A grant unto EDWARD HASKEW, of the city of Gloucester, timber merchant, of his new invented engine or machine, or certain machinery, for the purpose of raising and removing of earth, sand, gravel, clay, stones, or any other thing from the bottom of canals, or other places of any depth, to the surface of the earth, or higher if required; to hold to him, his exors, admors, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within one calendar month from the date hereof. W. H. M. at Westmr, the 31st day of May, in the year above. By writ, &c.

PEPPER. 9th June 1796.

2116. A grant unto JOHN PEPPER, of Newcastle-under-Lyne, in the county of Stafford, builder and architect, of his new invented kiln for the purpose of drying malt or any other grain on an entire new plan, and constructed to dry the same quantity of malt or other grain with one sixth part only in the expence of fuel now used in other kilns; and cynders, sleek, wood, turf, peat, or any other article of fuel will equally answer the purpose required: the sulphureous damp or effluvium, so pernicious in the present kilns, is conducte

away, that the workmen may, with pleasure and comfort, continue in any part of the work, and his health not the least injured or affected; and the heat may with the greatest ease be increased or decreased to any necessary degree, and regularly conducted to every part of the drying floor; and the invention and discovery will otherwise be, as he conceives, of great public utility; to hold to him, his exors, admors, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within one calendar month from the date hereof. W. H. M. at Westmr, the 9th day of June, in the year above.

By writ, &c.

KEELING. 20th June 1796.

2117. A grant unto JAMES KEELING, of Hanley, in the county of Stafford, potter, of his new discovered substitute for and a preparation that will answer any purpose for which the articles of ceruse or white lead, minium or red lead, or either of them, or calcined lead, or any other preparation of lead of the like nature are useful, or have been or may be used or useful in or about the glazing and enamelling all manner of cream coloured earthenwares, commonly called Queen's ware, white earthen wares, and what are commonly called china glazed wares, and all other improved earthenwares; and also porcelain and china wares of every kind, in the glazing and enamelling of which ceruse or white lead, minium or red lead, or calcined lead, hath or have heretofore been deemed necessary and used; and which will also be a substitute for the said articles of ceruse or white lead, and minium or red lead, or calcined lead, or any other preparation of lead of that nature in and about the making of glass and enamel of every sort and kind; and also for every purpose for which the article commonly called glass of lead is or may be used; that the said substitute and preparation will be had much cheaper than the articles of ceruse or white lead, minium or red lead, or calcined lead, can possibly be prepared for, and the miseries and destruction occasioned by the use of the said last-mentioned articles to many persons employed in the said manufactures prevented; to hold to him, his exors, admors, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within one calendar month from the date hereof. W. H. M. at Westmr, the 20th day of June, in the year above. By writ, &c.

WHITTINGTON. 28th June 1796.

2118. A grant unto WILLIAM WHITTINGTON, of Sheffield, in the county of York, wheelwright, of his new invented portable baking stove; to hold to him, his executors, administrators, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date hereof. W. H. M. at Westmr, the 28th day of June, in the year above.

By writ, &c.

BUNDY. 28th June 1796.

2119. A grant unto WILLIAM BUNDY, of Pratt Place, Camden Town, in the county of Middlesex, mathematical instrument maker, of his new invented machine for cutting and making combs, a thing never before put in practice; to hold to him, his exors, admors, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within one calendar month from the date hereof. W. H. M. at Westmr, the 28th day of June, in the year above.

By writ, &c.

PARKER. 28th June 1796.

2120. A grant unto JAMES PARKER, of Northfleet, in the county of Kent, gentleman, of his new discovered and invented cement or terras, to be used in aquatic and other buildings and stucco work, superior to any other material of a like nature, and which has never before been made use of for those

purposes ; to hold to him, his exors, admors, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute ; with a clause to inroll the same within one calendar month from the date hereof. W. H. M. at Westmr, the 28th day of June, in the year above. By writ, &c.

CHING. 28th June 1796.

2121. A grant unto JOHN CHING, of Launceston, in the county of Cornwall, chemist and apothecary, of his new invented medicine for the destroying of worms, which may be administered without prejudice to the constitution of the patient ; to hold to him, his exors, admors, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute ; with a clause to inroll the same within one calendar month from the date hereof. W. H. M. at Westmr, the 28th day of June, in the year above. By writ, &c.

MILLER. 28th June 1796.

2122. A grant unto ROBERT MILLER, calico printer, at Milton Printfield, in the county of Dumbarton, in that part of His Majesty's kingdom of Great Britain called Scotland, of his new invented method of weaving all kinds of linen, cotton, woollen, and worsted cloths, by means of looms wrought by water, and which may be wrought by steam engines, horses, or any other power, the weaving being done at much less expence and much more expeditiously than it is done at present by weavers, and the cloth so weaved being also of a more regular texture and superior to what can be wrought by the hand ; to hold to him, his exors, admors, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute ; with a clause to inroll the same within 4 calendar months from the date hereof. W. H. M. at Westmr, the 28th day of June, in the year above. By writ, &c.

BATLEY. 28th June 1796.

2123. A grant unto WILLIAM BATLEY, of Manchester, in the county palatine of Lancaster, engineer, of his new invented improvement for the working of steam engines ; to hold to him, his executors, administrators, and assigns, within England, Wales, and town of Berwick-upon-Tweed, for the term of 14 years pursuant to the statute; with a clause to inroll the same within six calendar months from the date hereof. W. H. M. at Westmr, the 28th day of June, in the year above. By writ, &c.

DAVIS. 4th July 1796.

2124. A grant unto DANIEL DAVIS, of the parish of Saint Giles-in-the-Fields and county of Middlesex, surveyor, of his new invented apparatus or machinery for the purpose of cleansing or sweeping of chimnies, and extinguishing them when on fire, in a more expeditious manner than now practised, and which entirely prevents the necessity of sending any person up the chimney for either of the above purposes ; to hold to him, his executors, administrators, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute ; with a clause to inroll the same within one calendar month from the date hereof. W. H. M. at Westmr, the 4th day of July, in the year above. By writ, &c.

SABATIER. 4th July 1796.

2125. A grant unto WILLIAM SABATIER, of the parish of Saint Mary-le-bone, in the county of Middlesex, gentleman, of his new invented improved method of retaining cotton, tobacco, hemp, flax, hops, hay, and other articles, in nearly the same compass in which they can be compressed by any machinery now in use, or which may be hereafter invented for great compression, without being liable, as they are at present, to any material expansion after they are removed from the said machinery, by which they will not only be kept in their original native or improved excellence, but they will occupy a much smaller space than can be effected by any other method now in use, and may consequently

be imported, exported, stored, or removed, at a decreased price of freight, carriage, or warehouse rent ; to hold to him, his exors, admors, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within one calendar month from the date hereof. W. H. M. at Westmr, the 4th day of July, in the year above. By writ, &c.

LUKE. 4th July 1796.

2126. A grant unto JOHN LUKE, of Treviles, in the county of Cornwall, esqr, of his new invented machinery for the purpose of lifting, drawing, and conveying of loaded and light vessels from one canal or branch of canal to another, on a slope or plain surface, in lieu of stone or other locks; to hold to him, his exors, admors, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute ; with a clause to inroll the same within one calendar month from the date hereof. W. H. M. at Westmr, the 4th day of July, in the year above.

By writ, &.

CLOSE. KEELING. 5th July 1796.

2127. A grant unto VALENTINE CLOSE, of Hanley, in the county of Stafford, merchant, and JAMES KEELING, of the same place, potter, of their new discovered and invented improvements in the construction and erecting and making of ovens, kilns, and firing places, so as to make and cause a very great saving of coals and fuel in and about the firing, hardening, and baking all manner of porcelain, china ware, and all manner of earthen wares, in every state wherein firing is needful and necessary ; to hold to them, their exors, admors, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute ; with a clause to inroll the same within one calendar month from the date hereof. W. H. M. at Westminster, the 5th day of July, in the year above. By writ, &c.

Passed the Great Seal by order dated 5th July 1796.

AUGHTIE. 20th July 1796.

2128. A grant unto GABRIEL AUGHTIE, of Cheapside, in the city of London, hardwareman, of his new invented coffin, so secure as to render it impracticable either to break, cut, or otherwise open the same, and consequently to prevent the stealing, removing, or taking away the body or bodies contained therein ; to hold to him, his executors, admors, and assigns, within England, Wales, and town of Berwick-upon-Tweed, and also within His Majesty's colonies and plantations abroad, for the term of 14 years pursuant to the statute ; with a clause to inroll the same within one calendar month from the date hereof. W. H. M. at Westmr, the 20th day of July, in the year above.

By writ, &c.

HOAKESLY. 20th July 1796.

2129. A grant unto ROBERT HOAKESLY, of the city of Chester, merchant, of his new invented method of making British pot ash, for the use of all kinds of manufactures in which foreign pot ash or any alkali is useful ; to hold to him, his exors, admors, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute ; with a clause to inroll the same within one calendar month from the date hereof. W. H. M. at Westminster, the 20th day of July, in the year above.

By writ, &c.

WALKER. 20th July 1796.

2130. A grant unto HENRY WALKER, of Thurmaston, in the county of Leicester, gentleman, of his new invented method by which houses and other buildings, of any description or dimensions, may be erected in one entire mass or body, at a much easier expence, especially in the articles of timber, lime, and workmanship, and which will be equally as durable in themselves, and less liable to accidents by fire, than buildings erected upon the common construction ; to hold to him, his exors, admors, and assigns, within England,

Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inrol the same within one month from the date hereof. W. H. M. at Westm^r, the 20^th day of July, in the year above. By writ, &c.

Potts. 20th July 1796.

2131. A grant unto Thomas Potts, of Sanctuary, in the parish of Penrice, in the county of Glamorgan, farmer, of his new invented machine, attached to the stern of any vessel, boat, or barge, for the purpose of moving the same on navigable canals or still waters; to hold to him, his executors, administrators, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within one calendar month from the date hereof. W. H. M. at Westminster, the 20^th day of July, in the year above. By writ, &c.

Haley. 17th August 1796.

2132. A grant unto Charles Haley, of Wigmore Street, Cavendish Square, in the county of Middlesex, watchmaker, of his new invented marine time-keeper, for the better ascertaining the longitude at sea; to hold to him, his ex̃ors, adm̃ors, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within one calendar month from the date hereof. W. H. M. at Westm^r, the 17^th day of Aug^st, in the year above. By writ, &c.

Guppy. 19th August 1796.

2133. A grant unto Samuel Guppy, of the city of Bristol, merchant, of his new invented art of cutting and heading nails by two several engines, whereby much labour is saved; to hold to him, his ex̃ors, adm̃ors, and assigns, within England, Wales, and town of Berwick-upon-Tweed, and also within His Majesty's colonies and plantations abroad, for the term of 14 years pursuant to the statute; with a clause to inroll the same within six calendar months from the date hereof. W. H. M. at Westminster, the 19^th day of August, in the year above. By writ, &c.

Wilde. Ridge. 25th August 1796.

2134. A grant unto Arnold Wilde and Joseph Ridge, of Little Sheffield, in the parish of Sheffield, in the county of York, saw makers, of their new invented method of making and manufacturing all kinds of saws, steel doctors for printers, plates made of iron, also of steel, beads, mouldings, and fender plates made of iron and steel united, or of iron or steel, and all sorts of springs made of steel, and of divers other articles made of iron and steel united, and also of iron or steel; to hold to them, their ex̃ors, adm̃ors, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within one calendar month from the date hereof. W. H. M. at Westminster, the 25^th day of August, in the year above. By writ, &c.

Lowndes. 9th Sept. 1796.

2135. A grant unto Francis Lowndes, of Saint Pauls Church Yard, in the city of London, medical electrician, of his new invented machine for exercising the joints and muscles of the human body; to hold to him, his ex̃ors, adm̃ors, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within one calendar month from the date hereof. W. H. M. at Westminster, the 9^th day of September, in the year above. By writ, &c.

Cooper. 19th Sept. 1796.

2136. A grant unto Thomas Cooper, of Old Street, in the parish of Saint Luke, Old Street, in the county of Middlesex, engineer, of his new invented engine or machine for performing in an improved and superior manner the operation of mashing or mixing of malt or other grain or meal for the purposes of brewing or distilling, by means of which invention both the vertical and an horizontal motion is produced; to hold to him, his ex̃ors, adm̃ors, and

assˢ, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within one calendar month from the date hereof. W. H. M. at Westmʳ, the 19th day of September, in the year above. By writ, &c.

WEDGWOOD. 3rd October 1796.

2137. A grant unto RALPH WEDGWOOD, of the Hill, in Burslem, in the county of Stafford, potter, of his new invented method of making earthen ware, whereby the article of earthen ware may be made at a less cost than hitherto, to the great advantage of the manufacturer thereof and of the public; to hold to him, his exors, admors, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date hereof. W. H. M. at Westmʳ, the 3d day of October, in the year above. By writ, &c.

WEDGWOOD. 3rd October 1796.

2138. A grant unto the above-named RALPH WEDGWOOD of his new invented composition for making glass upon new principles, whereby great advantage will arise to the public in every instance where such composition is applicable; to hold to him, his exors, admors, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date hereof. W. H. M. at Westmʳ, the 3d day of October, in the year above. By writ, &c.

WEDGWOOD. 3rd October 1796.

2139. A grant unto RALPH WEDGWOOD, of the Hill, in Burslem, in the county of Stafford, potter, of his new discovered and invented stove, upon a new principle, whereby great advantages will arise to the public in every instance where such an apparatus is necessary; to hold to him, his exors, admors, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within one calendar month from the date hereof. Witness His Majesty at Westmʳ, the 3d day of Octʳ, in the year of our Lord 1796. By writ of Privy Seal.

PEPPER. 3rd October 1796.

2140. A grant unto JOHN PEPPER, of Newcastle-under-Lyne, in the county of Stafford, builder and architect, of his new invented plan or mode of building and constructing ovens and kilns for the firing and burning of china, earthen ware, bricks, tiles, and other earths and compositions, whereby a very material saving will be made in the consumption of fuel, and other important benefits will arise to the manufacturers; particularly by a more equal diffusion of heat and by a more regular and certain manner of firing such ware and articles over and above the kilns and ovens now or hitherto made use of; to hold to him, his exors, admors, and assigns, within England, Wales, and town of Berwick-upon-Tweed, and also within all His Majesty's colonies and plantations abroad, for the term of 14 years pursuant to the statute; with a clause to inroll the same within one calendar month from the date hereof. W. H. M. at Westmʳ, the 3d day of Octʳ, in the year above. By writ, &c.

STEEDMAN. 25th October 1796.

2141. A grant unto JOHN STEEDMAN, of the Toft Farm, in the parish of Trentham, in the county of Stafford, farmer, of a new invented machine for thrashing corn; to hold to him, his exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date hereof. W. H. M. at Westminster, the 25th day of October, in the 37th year of his reign. By writ, &c.

THOMASON. 25th October 1796.

2142. A grant unto EDWARD THOMASON, of Birmingham, in the county of Warwick, button maker, for his new invented steps for coaches, chariots, post chaises, two wheeled chaises, gigs, curricles, and other carriages to which steps are used; to hold to him, his exors, admors, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date hereof. W. H. M. at Westminster, the 25th day of October, in the 37th year of his reign. By writ, &c.

LLOYD. 31st October 1796.

2143. A grant unto EDMUND LLOYD, of the Strand, within the liberty of Westminster, for his new invented tea kettle or tea boiler, on a new construction, for the purpose of boiling water more expeditiously and at a much less expence; to hold to him, his exors, admors, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within one calendar month from the date hereof. W. H. M. at Westminster, the 31st day of October, in the year above. By writ, &c.

RUSSELL. 5th Nov. 1796.

2144. A grant unto JOHN RUSSELL, of Newman Street, in the parish of St Mary-le-bone, in the county of Middlesex, esqr, of his new invented apparatus named the selenographia, to exhibit the phenomena of the moon, consisting of a globe, on which are deliniated the spots on the moons surface, affixed to an instrument which is contrived to give it such motions as will describe the effects produced on the face of the moon under all circumstances; with certain appendages thereto belonging, illustrative of the same; to hold to him, his exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date hereof. W. H. M. at Westminster, the 5th day of November, in the year above. By writ, &c.

DAVIDSON. 7th Nov. 1796.

2145. A grant unto JOHN DAVIDSON, of Peterhead, in the county of Aberdeen, in Scotland, millwright, of his new invented machine for doubling, twisting, or making, reeling and scaning worsted, thread, silk, cotton, and other articles of such kind, which requires only one person to work, manage, and direct; to hold to him, his exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date hereof. W. H. M. at Westminster, the 7th day of November, in the year above. By writ, &c.

RALEY. 8th Nov. 1796.

2146. A grant unto WILLIAM RALEY, of Newbald, near Market Weighton, in the East Riding of the county of York, chymist, of his new invented horizontal turning churn for churning of butter, the construction of which is simple, is easily worked, collects the butter sooner, and is easier kept clean than those in common use; to hold to him, his exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed, for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date hereof. W. H. M. at Westminster, the 8th day of November, in the year above. By writ, &c.

COBB. 19th Nov. 1796.

2147. A grant unto THOMAS COBB, of Banbury, in the county of Oxford, banker, of his new invented method of making coloured paper, superior for brightness and richness of colour to any made by any other person, and which paper, when made after the manner invented by him, may be used as well for the purpose of hanging rooms as for writing, printing, drawing, and for the various other purposes of paper; to hold to him, his exors, admors, and

assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date hereof. W. H. M. at Westminster, the 19th day of November, in the year above. By writ, &c.

TRUSTED. 24th Nov. 1796.

2148. A grant unto CHARLES TRUSTED, of the hamlet of Oversley, in the parish of Arrow, in the county of Warwick, gentleman, of his new invented machine called a time repeater, to be applied to common watches, for the purpose of striking the hours and quarters; to hold to him, his executors, admors, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date hereof. W. H. M. at Westminster, the 24th day of November, in the year above. By writ, &c.

JACKSON. 5th Dec. 1796.

2149. A grant unto WILLIAM JACKSON, of Shire Lane, Temple Bar, in the county of Middlesex, smith, of his new invention for an improvement upon doors, whereby the door shuts of itself, without noise or sound, and whereby wind is excluded from the room; to hold to him, his exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date hereof. W. H. M. at Westmr, the 5th day of Decr, in the year above. By writ, &c.

TATE. 5th Dec. 1796.

2150. A grant unto JAMES TATE, of Tottenham Court Road, in the parish of St Pancras and county of Middlesex, ironmonger, of his new invented machine for cooking on improved principles; to hold to him, his exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date hereof. W. H. M. at Westmr, the 5th day of Decr, in the year above. By writ, &c.

GOVER. 8th Dec. 1796.

2151. A grant unto JOHN GOVER for his invention of a new carriage for all sorts of cannon, whereby the working and managemt of cannon in action may be done with less difficulty and labour; to hold to him, his exors, admors, & assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date hereof. W. H. M. at Westmr, the 8th day of Decr, in the year above. By writ, &c.

LLOYD. 13th Dec. 1796.

2152. A grant unto FRAs LLOYD, of the parish of Woolstanton, in the county of Stafford, iron founder, of his new invented furnace or fire place, calculated to save a great expence in fuel, for all purposes for which the same may be applied; to hold to him, his exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date hereof. W. H. M. at Westminster, the 13th day of Decr, in the year above. By writ, &c.

LAFOUNT. 23rd Dec. 1796.

2153. A grant unto MOSES LAFOUNT, of Pleasant Row, Pentonville, in the county of Middlesex, lustre mounter, of a new invented plate and hoop or band of a circular or other form, either attached to or detached from each other, to be made use of in the mounting of glass chandeliers, girandoles, or other lustres, and in which, in consequence thereof, have a much more elegant form than any which have been heretofore used, as by means of such invention the upper and lower branches have the appearance of one branch only; to hold to him, his exors, admors, & assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute;

with a clause to inroll the same within one calendar month from the date hereof. W. H. M. at Westminster, the 23d day of Decr, in the year above. By writ, &c.

Lee. 23rd Jan. 1797.

2154. A grant unto John Lee, of Lewisham, in the county of Kent, brick maker, of his new invented mixture of chalk, whiting, or lime, together with clay, loam, or earth, for colouring and making of bricks; to hold to him, his exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date hereof. W. H. M. at Westmr, the 23d day of Jañry, in the year above. By writ, &c.
Not sealed till the 5th April, by order dated as above.

Adams. 23rd Jan. 1797.

2155. A grant unto Dudley Adams, of Fleet Street, in the city of London, optician, of his new invented spectacles upon an entire new principle, by which all pressure whatever is removed from the temple and nose, to be made in tortoishell, horn, ivory, bone, wood, turtle shell, mother of pearl, leather, iron, steel, brass, copper, gold, silver, metal, or any composition whatsoever; to hold to him, his exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date hereof. W. H. M. at Westmr, the 23d day of January, in the year above. By writ, &c.

Eckhardt. Morton. 23rd Jan. 1797.

2156. A grant unto Anthony George Eckhardt, of Charing Cross, in the county of Middlesex, manufacturer, and Richard Morton, of Sheffield, in the county of York, manufacturer, of a new invented method of making candlesticks, lamps, and girandoles by means of sliding pillars, so that the lights may be raised or contracted to any requisite heights; likewise having the advantage of an extinguisher, which comprises a part of the invention; to hold to them, their exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date hereof. W. H. M. at Westmr, the 23d day of Jañry, in the year above. By writ, &c.

Sheldrake. 24th Jan. 1797.

2157. A grant unto Timothy Sheldrake the yor, of the Strand, in the county of Middlesex, trussmaker, of his new invented method of curing all the deformities of children or others which arise from or are connected with distortion in the form or combination of bones that exist in the deformed part; to hold to him, his exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date hereof. W. H. M. at Westmr, the 24th day of Jañry, in the year above. By writ, &c.

Ferryman. 24th Jan. 1797.

2158. A grant unto Robert Ferryman, of Hammersmith, in the county of Middlesex, clerk, of his new invented machine for blanching, grinding, and dressing of corn; to hold to him, his exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date hereof. W. H. M. at Westmr, the 24th day of Jañry, in the year above. By writ, &c.

Murphy. 27th Jan. 1797.

2159. A grant unto James Murphy, of Hertford Street, in the parish of St Pancras, in the county of Middlesex, of his new invented improvements in the art of tanning all manner of hides and skins, and in the construction of

tan pits or vats, with several utensils appertaining to the same; to hold to him, his exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within six calendar months from the date hereof. W. H. M. at Westmr, the 27th day of Jany, in the year above.
By writ, &c.

Rolfe. Davis. 31st Jan. 1797.

2160. A grant unto William Rolfe and Samuel Davis, of Cheapside, in the city of London, musical instrumt makers, of new invented improvements upon the musical instruments called the harpsichord, grand piano forte, and square piano forte; to hold to them, their exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years psuant to the statute; with a clause to inroll the same within one calendar month from the date hereof. W. H. M. at Westmr, the 31st day of Jany, in the year above. By writ, &c.

Coates. 31st Jan. 1797.

2161. A grant unto George Coates, of Edward Street, in the parish of Christchurch, in the county of Surry, carpenter and builder, of his new invented machine for the expediting the making and manufacturing of horse shoe nails, brads, and several other articles of iron and other metals; to hold to him, his exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date hereof. W. H. M. at Westmr, the 31st day of Jany, in the year above.
By writ, &c.

Grover. 7th Feb. 1797.

2162. A grant unto John Grover, of Chesham, in the county of Bucks, brewer, of his new invented improvements in the construction and fixing of coppers, boilers, and furnaces; to hold to him, his exors, admors, & assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date hereof. W. H. M. at Westmr, the 7th day of Feby, in the year above. By writ, &c.

Atlee. 7th Feb. 1797.

2163. A grant unto John Falconer Atlee, of Wandsworth, in the county of Surry, distiller, of his new invented method of condensing and cooling of spirits in the process of distillation by means of machinery not before used; to hold to him, his exors, admors, & assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date hereof. W. H. M. at Westmr, the 7th day of Feby, in the year above.
By writ, &c.

Glazebrook. 7th Feb. 1797.

2164. A grant unto James Glazebrook, of Hadley, in the county of Salop, engineer, of his new invented method of working and giving power to machinery by means of air; to hold to him, his exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within six calendar months from the date hereof. W. H. M. at Westmr, the 7th day of Feby, in the year above. By writ, &c.

Nash. 7th Feb. 1797.

2165. A grant unto John Nash, of Duke Street, in the parish of St James, in the county of Middlesex, architect, of his new invented method of constructing bridges of plate iron, either wrought, cast, framed, or put together so as to form hollow bodies, masses, or cubes capable of being filled up with earth, sand, stone, gravel, or other materials, to make the same solid bodies, masses,

or cubes, or, not being filled, have the semblance of solid bodies, masses, or cubes ; to hold to him, his exors, admors, and assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute ; with a clause to inroll the same within one calendar month from the date hereof. W. H. M. at Westmr, the 7th day of Feby, in the year above. By writ, &c.

GARLICK. 7th Feb. 1797.

2166. A grant unto AARON GARLICK, of Duckenfield, in the county of Chester, manufacturer, of his new invented machine for spinning and roving of cotton ; to hold to him, his exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute ; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westmr, the 7th day of Feby, in the year above. By writ, &c.

DE CHEMANT. 15th Feb. 1797.

2167. A grant unto NICHs DUBOIS DE CHEMANT, of his new invented table, with a stove placed within the centre thereof ; to hold same to him, his exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute ; with a clause to inroll the same within one calendar month from the date hereof. W. H. M. at Westmr, the 15th day of Feby, in the year above. By writ, &c.

HODSON. 23rd Feb. 1797.

2168. A grant unto GEORGE HODSON, of the city of Chester, of his invention of an improved method of separating the fossil or mineral alkali from the muriatic acid as it exists in common salt, and also in separating the fossil or mineral alkali from the common salt as it exists in kelp ; also in separating the fossil or mineral alkali from the muriatic acid as it exists in salt rock, common salt, brine, sea water, in the common or neutral salt of natron soza, sal enixon, caput mortuum, of spirits of salts, kelp, and salts obtained from soapers lees ; to hold to him, his exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute ; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westmr, the 23d of February, in the year above. By writ, &c.

OXENHAM. 28th Feb. 1797.

2169. A grant unto THOMAS OXENHAM, of Oxford Street, in the parish of Saint James, Westminster, in the county of Middlesex, mangle and press maker, of his new invention of a portable lever mangle for calendering linen, cotton, silks, stuffs, and other things, and for all other purposes that mangles or calenders have been hitherto used, without the incumbrance of weight, and which stands in one third of the room of mangles or hand calenders now generally used ; to hold to him, his exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute ; with a clause to inroll the same within one calendar month from the date hereof. W. H. M. at Westmr, the 28th day of Feby, in the year above. By writ, &c.

SILVESTER. 9th March 1797.

2170. A grant unto JOHN SILVESTER, of Capel Row, New Road, in the parish of St Pancras, in the county of Middlesex, mill wright, of his new invented method of mashing and mixing of malt, and all kinds of grain used for the purposes of brewing and distilling, by means of machinery (to be worked with or without wheels) constructed by him for that purpose, whereby a considerable benefit will accrue to the brewer or distiller, and by means whereof a much easier and less expensive method will be adopted and used than hath been hitherto effected by any machine or engine now known or at present in use ; to hold to him, his exors, admors, & assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of 14 years, pur-

suant to the statute; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westm^{r}, the 9th day of March, in the year above. By writ, &^{c}.

GOODWYN. 9th March 1797.

2171. A grant unto HENRY GOODWYN jun^{r}, of the Red Lyon Brewhouse, Lower East Smithfield, in the county of Middlesex, porter brewer, of his new invention of mixing and mashing malt, and all kinds of grain or corn used for the purpose of brewing or distilling, by means of an improved mash tun and mashing machine; to hold to him, his ex̃ors, adm̃ors, & assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westm^{r}, the 9th day of March, in the year above. By writ, &^{c}.

SELLARS. 11th March 1797.

2172. A grant unto WILLIAM SELLARS, of the city of Bristol, manufacturer of spinning machines, of his new invention in making and working of machines for drawing out wool or flax comb'd by hand into a perpetual length or slaver, and which machines may be worked or used by water, steam, or horse mills, or by any other moving power; and such improvement will, as he conceives, be of great public utility in producing such perpetual length or slaver in wool or flax; to hold to him, his ex̃ors, adm̃ors, & assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westm^{r}, the 11th day of March, in the year above. By writ, &^{c}.

SIDDON. 14th March 1797.

2173. A grant unto WILLIAM SIDDON, of West Bromwich, in the county of Stafford, gun lock maker, of his new invention of screwing and fastening the hammer springs and scar springs to gun locks and pistol locks, which he conceives will be of great public service; to hold to him, his ex̃ors, adm̃ors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westm^{r}, the 14th day of March, in the year above. By writ, &^{c}.

BUNTING. 25th March 1797.

2174. A grant unto EDMUND BUNTING, of Pitman's Buildings, Ironmonger Row, Old Street, in the city of London, of his new invention for producing a forward and retrograde motion, capable of being applied to mangles, pumps, calenders, rolling presses, or any other piece of mechanism; to hold to him, his ex̃ors, adm̃ors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westm^{r}, the 25th day of March, in the year above. By writ, &^{c}.

BARBER. 25th March 1797.

2175. A grant unto ROBERT BARBER, of Bilborough, in the county of Nottingham, gent^{n}, of his new invention or improvem^{t} on a machine called a stocking frame, otherwise the gigger stocking frame; to hold to him, his ex̃ors, adm̃ors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed, and also in all Our colonies and plantations abroad, for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westm^{r}, the 25th day of March, in the year above. By writ, &^{c}.

BARTON. 25th March 1797.

2176. A grant unto JOSEPH BARTON, of the parish of S^{t} Botolph, Bishopsgate Street, in the city of London, of his new invention of preparing indigo for the purpose of dying of wool, silk, linen, cotton, and other articles and goods

made and manufactured of the same, and for giving the blue shades to all kinds of linens, woolens, paper, and other substances, in a more perfect manner than hitherto discovered; to hold to him, his exors, &c, within England, Wales, and the town of Berwick-upon-Tweed, for the term of 14 years pursuant to the stat.; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westmr, the 25th day of March, in the year above. By writ, &c.

Passman. 25th March 1797.

2177. A grant unto John Passman, of Doncaster, in the county of York, gentn, of his new invention or improvement in machinery for drawing, roving, and spinning all kinds of wool, hemp, flax, silk, mohair, or other materials which may be spun; to hold to him, his exors, admors, & assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westmr, the 25th day of March, in the year above. By writ, &c.

Manton. 12th April 1797.

2178. A grant unto John Manton, of Dover Street, in the parish of St George, Hanover Square, in the county of Middlesex, gunmaker, of his new invention or improvement in the construction of guns and pistols of every description; to hold to him, his exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inrol the same within one calendar month from the date thereof. W. H. M. at Westr, the 12th day of April, in the year above. By writ, &c.

Cross. 26th April 1797.

2179. A grant unto Robert Cross, of Quaker Brook, in the parish of Hoghton, in the county palatine of Lancaster, tanner, of his new invented tan pit, upon a new construction, and a mode of tanning by which leather is tanned in about one sixth part of the usual time, with much less labour and expence, and is rendered in every respect much superior to leather tanned by any mode hitherto invented; to hold to him, his exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westmr, the 26th day of April, in the year above. By writ, &c.

Todd. 9th May 1797.

2180. A grant unto Thomas Todd, of the town of Kingston-upon-Hull, ironmonger, of his new invented hydraulic pump, or machine for raising water by apparatus's as are particularly described in a drawing thereof; to hold to him, his exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed, for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westmr, the ninth day of May, in the year above. By writ, &c.

Varley. 29th May 1797.

2181. A grant unto Richard Varley, of Damside, near Bolton-le-Moors, in the county palatine of Lancaster, merchant and cotton manufacturer, of his new invented perpetual moving power; to hold to him, his exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westmr, the 29th day of May, in the year above. By writ, &c.

Harris. 4th July 1797.

2182. A grant unto Timothy Harris, of Waltham Abbey, in the county of Essex, pin maker, of his new invented method of manufacturing pins with iron and other metals, and making the same white; to hold to him, his exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-

Tweed for the term of fourteen years pursuant to the statute ; with a clause to inrol the same within six calendar months from the date thereof. W. H. M. at Westmr, the 4th day of July, in the year above. By writ, &c.

SLATER. 4th July 1797.

2183. A grant unto JOSEPH SLATER, of Sharples, near Bolton-in-the-Moors, in the county of Lancaster, bleacher, of hisn ew invented improvement in a machine for the finishing of bleached, dyed, and printed muslins ; to hold to him, his exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westmr, the 4th day of July, in the year above. By writ, &c.

ECKHARDT. 4th July 1797.

2184. A grant unto ANTHONY GEORGE ECKHARDT, of Charing Cross, in the county of Middlesex, gentn, of his new invented method of making draw or bench looms for the manufacturing of carpets, borders, and other things that will enable the manufacturer to introduce greater variety of shades and colours than can be effected by the looms now in use ; to hold to him, his exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westmr, the 4th day of July, in the year above. By writ, &c.

HAWKSLEY. 4th July 1797.

2185. A grant unto JOHN HAWKSLEY, of his new invention for combing of wool, cotton, silk, flax, hemp, and mohair, being a circular revolving combpot to heat the combs, to aid in the combing of wool, and a lasher or layer on of wool or other materials on the sd combing machines, and a socket or holster in which to place the combs in their respective compartments in a readier manner than heretofore used for drawing off the wool or other materials from the sd machines ; to hold to him, his exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed, for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westmr, the 4th day of July, in the year above. By writ, &c.

MAULE. 4th July 1797.

2186. A grant unto JOHN MAULE, of Castle Street, Oxford Street, in the county of Middlesex, engine maker, of his new invented improvement on a machine for clearing grain from the straw ; to hold to him, his exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westmr, the 4th day of July, in the year above. By writ, &c.

RICHARDSON. 4th July 1797.

2187. A grant unto JOHN RICHARDSON, of the parish of St Giles-in-the-Fields, in the county of Middlesex, optician, of his new invented machine, to be applied to glasses and pebbles of every description, for the use of sights in general ; to hold to him, his exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within one calr month from the date thereof. W. H. M. at Westmr, the 4th day of July, in the year above. By writ, &c.

JOHNSON. 26th July 1797.

2188. A grant unto HENRY JOHNSON, of London, gentn, of his new invented water proof compound, and a vegetable liquid ; which liquid is for the purposes of bleaching, whitening, and cleansing woollens, linnens, cottons, and other articles, in a superior manner to any other method or preparation ; and also for preparing stuffs or cloths made of woollen, linnen, cotton, or silk, in order,

by the application of the afs[d] water proof compound, to render them impenetrable to wet, and more elastic and durable when made into garments ; to hold to him, his exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westm[r], the 26[th] day of July, in the year above.

By writ, &c.

DUNDONALD. 16th August 1797.

2189. A grant unto ARCHIBALD Earl of DUNDONALD of his new invented method of making or preparing ceruse or white lead, which he conceives will be of great public utility, particularly as he has reason to believe they will not be injurious to the health of persons employed therein ; to hold to him, his exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westm[r], the 16[th] day of August, in the year above.

By writ, &c.

ECKHARDT. 17th August 1797.

2190. A grant unto ANTHONY GEORGE ECKHARDT, of Hans Square, in the county of Middlesex, gent., of his new invented and improved method of constructing pumps and engines for evacuating water or other fluids, extinguishing of fires, and producing power ; to hold to him, his exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within four calendar months from the date thereof. W. H. M. at Westm[r], the 17[th] day of August, in the year above. By writ, &c.

CHAPMAN. 13th Sept. 1797.

2191. A grant unto WILLIAM CHAPMAN, of the town and county of Newcastle-upon-Tyne, gent., of his new invented method of laying, twisting, or making ropes or cordage of any number of yarns and strands, or any number of threads tarred or untarred, from the size of a cable down to the smallest line composed of more than one thread ; to hold to him, his exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westm[r], the 13[th] day of Sept[r], in the year above. By writ, &c.

STANSFIELD. 13th Sept. 1797.

2192. A grant unto SAMUEL STANSFIELD, of Stayley Bridge, in the county of Lancaster, clockmaker, of an improved machine, engine, or apparatus for roving and spinning of cotton, flax, hemp, worsted, yarn, wool, &c, and for doubling and twisting of silk, cotton, and thread, and which is capable of being applied to various other useful purposes ; to hold to him, his exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westm[r], the 13[th] day of Sept[r], in the year above. By writ, &c.

BAKER. 11th October 1797.

2193. A grant unto CHARLES BAKER, of the city of Bristol, seedsman, of his new invented method of preventing the smut in wheat ; to hold to him, his exors, admors, & assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westm[r], the 11[th] day of Oct[r], in the year above. By writ, &c.

CARTWRIGHT. 11th October 1797.

2194. A grant unto EDMUND CARTWRIGHT, of the parish of S[t] Mary-le-Bone, in the county of Middlesex, M.A., of his new invented incombustible substitute for certain materials commonly used in constructing dwelling houses

and other buildings, so as to render the same secure from fire ; to hold to him, his exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westm^r, the 11^th day of Oct^r, in the year above.

By writ, &c.

WATTS. 19th October 1797.

2195. A grant unto HARRY WATTS, of Binley, in the county of Warwick, gent^n, of his new invented implement for draining land ; to hold to him, his exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westm^r, the 19^th day of Oct^r, in the year above. By writ, &c.

BRAMAH. 31st October 1797.

2196. A grant unto JOSEPH BRAMAH, of Piccadilly, in the county of Middlesex, engineer, of his new invented method of retaining, clarifying, preserving, and drawing off all kinds of liquors commonly used for the beverage of mankind, more especially those liquors called malt liquors, such as porter, ale, beer, &c, together with sundry improved casks and implements necessary to give his contrivance the full effect ; to hold to him, his exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westm^r, the 31^st day of Oct^r, in the 38^th year of His reign. By writ, &c.

HARRIOTT. 31st October 1797.

2197. A grant unto JOHN HARRIOTT, of Prescott Street, Goodman's Fields, in the county of Middlesex, esq^r, of his new invented cog wheel crab or capstan, with geers to work ships, pumps, engines, and hydraulic machines; and in the act of working the pumps, engines, or machines, to give a ship way through the water in calms or light winds ; to hold to him, his exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within six calendar months from the date thereof. W. H. M. at Westm^r, the 31^st day of Oct^r, in the 38^th year of His reign. By writ, &c.

PATON. 31st October 1797.

2198. A grant unto THOMAS PATON, of the parish of Christ Church, in the county of Surrey, engine maker, of his new invented press ; to hold to him, his exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westm^r, the 31^st day of Oct^r, in the year above.

By writ, &c.

PARRISH. 31st October 1797.

2199. A grant unto JOHN PARRISH, of the county of Somerset, of his new invented method of rendering all kinds of woollen cloth impenetrable to moisture or wet, or water proof, so as to render even the finest sorts in a condition to resist rain in every situation and for any length of time, without in the least degree affecting their beauty, colour, or wear, which s^d invention is altogether different from any other attempts of a similar nature; to hold to him, his exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westm^r, the 31^st day of Oct^r, in the year above.

By writ, &c.

BEATSON. 31st October 1797.

2200. A grant unto ROBERT BEATSON, of Kilvie, in the county of Fife, esquire, late of the corps of Royal Engineers, of his new invented and improved method of applying the power of wind or water to horizontal mills,

the principle of which may be also applied to several other purposes ; to hold to him, his exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westmr, the 31st day of Octr, in the year above. By writ, &c.

Overend. 9th Nov. 1797.

2201. A grant unto Henry Overend, of the city of Bristol, gentn, of his new invented improvement in the manufacture of a machine which may be used as a waggon, cart, or dray, in a more perfect and expeditious manner, and with fewer horses than usually and heretofore done; to hold to him, his exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westmr, the 9th day of Novr, in the year above. By writ, &c.

Cartwright. 11th Nov. 1797.

2202. A grant unto Edmund Cartwright, of the parish of St Mary-le-Bone, in the county of Middlesex, M.A., of his new invented improvement in the construction, working, and application of steam engines ; to hold to him, his exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within six calendar months from the date thereof. W. H. M. at Westmr, the 11th day of Novr, in the year above. By writ, &c.

Langton. 18th Nov. 1797.

2203. A grant unto Daniel Langton, of Wandsworth, in the county of Surrey, builder, of his new invented locks, springs, and machinery for the security of doors, and for preventing rain or wet from passing under them, and which, when applied to the doors of rooms covered with carpets, floor cloths, or matting, will cause such doors to pass over the same with the utmost facility, without dragging or any ways injuring or defacing such carpets, floor cloths, or matting, and which will prevent the cold air from passing under or over the same, and by that means keep such rooms warm ; to hold to him, his exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westmr, the 18th day of Novr, in the year above. By writ, &c.

Crooks. 12th Dec. 1797.

2204. A grant unto John Crooks, of Edinburgh, chymist, for his new invented method of making soap and bleaching by means and use of mineral and vegetable alkalis ; to hold to him, his exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westmr, the 12th day of Decr, in the year above. By writ, &c.

Weldon. 22nd Dec. 1797.

2205. A grant unto James Weldon, of Litchfield, in the county of Stafford, engineer, for his new invented machine or mill for breaking, grinding, and pulverising hatched or chopped bark for tanning, and for breaking, grinding, and pulverising different kinds of wood and other hard substances ; to hold to him, his exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westmr, the 22d day of Decr, in the year above. By writ, &c.

MILTON. 23rd Dec. 1797.

2206. A grant unto WILLIAM MILTON, of the city of Bristol, M.A., for his new invented method of causing ships, vessels, barges, boats, and craft of all sizes, which navigate either seas, rivers, or canals, to be built at prices considerably below what are given for them as built in the present mode, and for rendering the rudders thereof in some cases more effectual; to hold to him, his exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westm^r, the 23^d day of December, in the year above. By writ, &c.

BOULTON. 30th Dec. 1797.

2207. A grant unto MATTHEW BOULTON, of Soho, in the county of Stafford, esq^r, for his new invention or improved apparatus & method of raising water and other fluids; to hold to him, his exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westm^r, the 30^th day of Dec^r, in the year above. By writ, &c.

Sealed by order.

ECKHARDT. 16th Jan. 1798.

2208. A grant unto ANTHONY GEORGE ECKHARDT, of Hans Place, in the parish of S^t Luke, Chelsea, in the county of Middlesex, esq^r, F.R.S. and M.S.H., of his new invented and improved method of making chairs, sofas, stools, benches, &c, adapted for rooms or carriages, with backs or seats and cushions fixed in such a manner as instantly to change and show two different surfaces in one seat or cushion, in a more secure and useful manner than any hitherto attempted; and also preserving covers on a new construction, whereby several different surfaces may be introduced and used in one seat or cushion; and such seats or cushions may be executed in silk, linen, leather, hair, cloth, or otherwise, so that when one surface is used the other or others are or is preserved; which invention he conceives will be of great public utility; to hold to him, his exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westm^r, the 16^th day of Janry, in the year above. By writ, &c.

TENNANT. 23rd Jan. 1798.

2209. A grant unto CHARLES TENNANT, of Darnley, near Glasgow, for his new invented method of using calcareous earth, the earths strontites and barytes, all of them, either in their carbonated or calcined states, but more properly in the latter state, instead of alkaline substances, for neutralizing the oxygenated muriatic acid used in bleaching, and for employing lime, strontites, and barytes, the earths above ment^d, in the other parts of the process of bleaching, instead of pot or pearl ashes, kelp, barylla, or other alkaline substances whatsoever; to hold to him, his exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westm^r, the 23^d day of Janry, in the year above. By writ, &c.

ROBERTS. 23rd Jan. 1798.

2210. A grant unto SAMUEL ROBERTS, of Park Grange, in the parish of Sheffield, in the county of York, silversmith and plater, for his new invention of working, adjusting, supporting, and fixing slide tube candlesticks of silver, silver plated, or other metal, much more useful, firm, and secure than any yet practised; to hold to him, his exors, admors, and ass^s, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westm^r, the 23^d day of January, in the year above. By writ, &c.

DUNDONALD. 25th Jan. 1798.

2211. A grant unto ARCHIBALD Earl of DUNDONALD for his new invented method of manufacturing and procuring certain neutral salts, substances, and things, and of applying those and other neutral salts to valuable purposes ; to hold to him, his exors, admors, & asss, for and during and unto the full end and term of fourteen years pursuant to the statute ; with a clause to inroll the same within four calendar months from the date thereof. W. H. M. at Westmr, the 25th day of Jañry, in the year above.

By writ, &c.

SHANNON. 1st Feb. 1798.

2212. A grant unto RICHARD SHANNON, of the parish of St Pancras, in the county of Middlesex, M.D., for his new invented method of improving the process of brewing, distilling, boiling, evaporating, and of raising and condensing steam or vapour from aqueous, spirituous, sacharine, and saline fluids, which expedites the process, improves the quality, and causes a great saving in time and fuel ; to hold to him, his exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed, and also in all Our colonies and plantations abroad, for the term of 14 years pursuant to the statute ; with a clause to inrol the same within six calendar months from the date thereof. W. H. M. at Westmr, the 1st day of February, in the year above.

By writ, &c.

CLAY. 1st Feb. 1798.

2213. A grant unto HENRY CLAY, of Birmingham, in the county of Warwick, esqr, for his new invented method of saving part of the water now lost in passing of boats or barges through locks on navigable canals ; to hold to him, his exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date hereof. W. H. M. at Westminster, the 1st day of February, in the 38th year of his reign.

By writ, &c.

HOWDEN. 10th Feb. 1798.

2214. A grant unto ROBERT HOWDEN, of Hoxton, in the county of Middlesex, for his new invented portable and moving furnace for the purpose of heating of ovens of every description, whereby much fuel will be saved and the oven rendered more safe and commodious ; to hold to him, his exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inrol the same within fourteen calendar months from the date thereof. W. H. M. at Westmr, the 10th day of February, in the year above.

By writ, &c.

FARQUHARSON. 20th Feb. 1798.

2215. A grant unto FRANCIS FARQUHARSON, of Birmingham, in the county of Warwick, factor, for his new discovered invention, method, and apparatus or machinery for making bricks and tiles, used in foreign parts ; to hold to him, his exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westmr, the 20th day of February, in the year above.

By writ, &c.

DOUGLASS. 20th Feb. 1798.

2216. A grant unto JAMES DOUGLASS, of the parish of Christchurch, in the county of Surry, mechanist, for his new invented machine for the purpose of making or moulding of bricks ; to hold to him, his exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westmr, the 20th day of February, in the year above.

By writ, &c.

TAYLOR. 28th Feb. 1798.

2217. A grant unto WALTER TAYLOR, of Portswood Green, in the county of Southampton, esquire, for his new invention and improvement in the construction of machines for raising water and clearing ships of the same; also to take off the pressure of the atmosphere or eddy winds from the tops of chimnies, to prevent what are commonly called smoaky chimnies, of a more simple and convenient construction than heretofore used; to hold to him, his exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westm^r, the 28th day of February, in the year above. By writ, &c.

CEDERBARG. 28th Feb. 1798.

2218. A grant unto ANDRU CEDERBARG, of S^t John's Lane, in the parish of S^t John, Clerkenwell, in the county of Middlesex, engine and mathematical instrument maker, for his new invented machine or instrument for the purpose of glazing, polishing, and graining of divers sorts of leather of different colours and qualities and various other articles, never before put in practice, and which will be of great utility to the public, both in the improvement and reduction of the price of all the processes of glazing, polishing, and graining leather and various other articles; to hold to him, his exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westm^r, the 28th day of February, in the year above. By writ, &c.

CHAPMAN. 6th March 1798.

2219. A grant unto WILLIAM CHAPMAN, of Newcastle-upon-Tyne, for his new invention of laying, twisting, or making ropes or cordage of any number of yarns and strands, or any number of threads, tarred or untarred, from the size of a cable to the smallest line composed of more than one thread; and also for coiling up such ropes and strands of ropes during the process of making; to hold to him, his exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed, and in all the colonies and plantations abroad, for the term of 14 years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westm^r, the 6th day of March, in the year above. By writ, &c.

GOOLDING. 10th March 1798.

2220. A grant unto HENRY GOOLDING, of the parish of Willesden, in the county of Middlesex, yeoman, for his new invented machine, instrument, or engine, for raising, removing, and carrying of earth, stones, rubbish, or any thing of the like nature, so as greatly to facilitate and render less laborious and expensive the carrying on and executing the works of canals, navigable cuts, or any other great and important work, where the same may be required to be removed and carried away; to hold to him, his exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westm^r, the 10th day of March, in the 38th year of His reign. By writ, &c.

PERKINS. 10th March 1798.

2221. A grant unto BENJ^n DOUGLAS PERKINS, of King Street, Covent Garden, master of arts, for a certain discovery made by his father, Elisha Perkins, of Plainfield, in Connecticut, in North America, doctor of physic, of a certain art of relieving and curing a variety of aches, pains, and diseases in the human body, by drawing over the parts affected or those contiguous thereto, in certain directions, various pointed metals and compounds of metals, which, from the affinity they have with the offending matter or from some other cause, extract or draw out the same, and thus cure the patient; to hold to him, his exors, admors, and assigns, within England, Wales, and the town

of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within six calendar months from the date thereof. W. H. M. at Westm^{r}, the 10th day of March, in the 38th year of His reign. By writ, &^{c}.

Bolton. 10th March 1798.

2222. A grant unto William Bolton, esq^{r}, a capt^{n} in the navy, for his new improved capstan, to be used on board ships, in capstan houses, wharfs, &^{c}, or where any great weight is to be raised or resistance overcome; to hold to him, his ex̃ors, adm̃ors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westm^{r}, the 10th day of March, in the 38th year of His reign. By writ, &^{c}.

Lester. 10th March 1798.

2223. A grant unto William Lester, of Yardley Hastings, in the county of Northampton, farmer, for his new invented harrow upon a new construction; to hold to him, his ex̃ors, adm̃ors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westm^{r}, the 10th day of March, in the 38th year of his reign. By writ, &^{c}.

Haycraft. 23rd March 1798.

2224. A grant unto Joseph Haycraft, of Greenland Dock, Rotherhithe, in the county of Surry, block, pump, and gun carriage maker, for his new invented gun carriage upon an improved construction; to hold to him, his ex̃ors, adm̃ors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westm^{r}, the 23^{d} day of March, in the year above. By writ, &^{c}.

Douglass. 30th March 1798.

2225. A grant unto James Douglass, of the parish of Christchurch, in the county of Surry, machinist, for his new invented machinery for shearing or cropping of woollen cloth with shears, knives, and cutters, put in operation by various powers; to hold to him, his ex̃ors, adm̃ors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westm^{r}, the 30th day of March, in the year above. By writ, &^{c}.

Sealed by order.

Johnston. 30th March 1798.

2226. A grant unto Robert Johnston, of Greek Street, Soho, in the county of Middlesex, chymist and apothecary, for his new invented medicine for the cure of rheumatisms, palsies, and other complaints, known by the name of "Whitehead's improved essence of mustard"; to hold to him, his ex̃ors, adm̃ors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westm^{r}, the 30th day of March, in the year above. By writ, &^{c}.

Deverell. 5th April 1798.

2227. A grant unto William Deverell, of Widcomb, in the county of Somerset, millwright, for his new invented pump or pump work; to hold to him, his ex̃ors, adm̃ors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westm^{r}, the 5th day of April, in the year above. By writ, &^{c}.

SELLARS. 18th April 1798.

2228. A grant unto WILLIAM SELLARS, of the city of Bristol, manufacturer of spinning machines, for his new invention in making and working machines for preparing and spinning of wool, cotton, flax, hemp, and various other materials, without any drums or belts in the inside of such machines, and which machines may be worked or used by water, steam, or horse mills, or by any other moving power; to hold to him, his exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westmr, the 18th day of April, in the year above. By writ, &c.

Sealed by order.

HOLLICK. 18th April 1798.

2229. A grant unto FRANCIS HOLLICK, of Birmingham, in the county of Warwick, curry comb maker, for his new invented art of affixing in several ways an iron or other comb to the edge or on the outside of a curry comb, either to stand up, or, by means of springs, to be laid down and raised up, for the purpose of combing the manes and tails of horses and other cattle; and may also be used for the purpose of combing dirt and filth from horses and other cattle which may be in need thereof; to hold to him, his exors, &c, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westmr, the 18th day of April, in the year above. By writ, &c.

EDWARDS. 18th April 1798.

2230. A grant unto JOHN EDWARDS, of Bristol, mathematical instrument maker, for his new invented apparatus of mathematical instruments, for the better ascertaining the geographical position of vessels at sea; to hold to him, his exors, &c, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westmr, the 18th day of April, in the year above. By writ, &c.

ROWNTREE. 1st May 1798.

2231. A grant unto THOMAS ROWNTREE, of Great Surry Street, Blackfriars Bridge, in the county of Surry, engine maker, for his new invented method of applying fire for the purpose of heating of boilers and other vessels where heat is required, and which may also be applied to other useful purposes; to hold to him, his exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westmr, the 1st day of May, in the year above. By writ, &c.

BRAMAH. 3rd May 1798.

2232. A grant unto JOSEPH BRAMAH, of Piccadilly, in the county of Middlesex, engineer, for his new improvement on a lock for doors, cabinets, &c, and also in the keys by which they are locked and unlocked (and for which he, in the year 1784, obtained former Letters Patent); to hold to him, his exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westmr, the 3d day of May, in the year above. By writ, &c.

BELFOUR. 3rd May 1798.

2233. A grant unto JOHN DANIEL BELFOUR, of the town of Elsineur, in the kingdom of Denmark, merchant, for his new improvement in the operation or working part of a machine formerly invented by him for making and manufacturing of cordage, and for which, in the year 1793, he obtained Letters Patent, by means of which improvements the work is accelerated and completed in less time and with less labour than by the method originally used by him for the above purpose; to hold to him, his exors, admors, & assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term

of fourteen years pursuant to the statute ; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westm^{r}, the 3^{d} day of May, in the year above. By writ, &^{c}.

Boileau. 3rd May 1798.

2234. A grant unto Peter Boileau, of Bruton Street, in the parish of S^{t} George, Hanover Square, in the county of Middlesex, manufacturer, for his new invented and improved manufacture of straw into hatts and bonnets and other articles, in a manner and to produce an effect never before attempted ; to hold to him, his ex̃ors, adm̃ors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westm^{r}, the 3^{d} day of May, in the year above. By writ, &^{c}.

Blundell. 3rd May 1798.

2235. A grant unto George Blundell, of the parish of S^{t} Matthew, Bethnall Green, in the county of Middlesex, manufacturer, for his new invented machine for the purpose of saving fuel and preventing dirt or dust from fires, which he calls the œconomical receiver ; to hold to him, his ex̃ors, adm̃ors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westm^{r}, the 3^{d} day of May, in the year above. By writ, &^{c}.

Jones. 8th May 1798.

2236. A grant unto William Jones, of the city of Bristol, millwright, for his new invented machine for the purpose of mixing more readily meal or other substances with fluids, whereby the essence or spirit of the malt or other substances intended to be acted on by water or other fluids will be more perfectly and expeditiously extracted than by any other method hitherto invented ; to hold to him, his ex̃ors, adm̃ors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westm^{r}, the 8th day of May, in the year above. By writ, &^{c}.

Frith. 25th May 1798.

2237. A grant unto Robert Frith, of Salford, in the county of Lancaster, dyer, for his new invented chemical method of dying different permanent colours upon cotton, linen, woolen, and silk, which he conceives will be of great public utility ; to hold to him, his ex̃ors, adm̃ors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within four calendar months from the date thereof. W. H. M. at Westm^{r}, the 25th day of May, in the year above. By writ, &^{c}.

Sanxter. 25th May 1798.

2238. A grant unto William Sanxter, of Horseheath, in the county of Cambridge, farmer, for his new invented plough for the paring of land, which he conceives will be of great public utility and peculiarly calculated to the saving of manual labour ; to hold to him, his ex̃ors, adm̃ors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westm^{r}, the 25th day of May, in the year above. By writ, &^{c}.

Champion. 2nd June 1798.

2239. A grant unto John Champion, of the city of Bristol, manufacturer of brass, copper, and iron ware, for his new invented method of making wire from rolled and slit iron, either foreign or English, put in operation by various powers ; to hold to him, his ex̃ors, adm̃ors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years

pursuant to the statute ; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westmr, the 2d day of June, in the year above. By writ, &c.

POMEROY. 5th June 1798.

2240. A grant unto GEORGE POMEROY, late of Boston, in North America, but now of London, merchant, for his new invented apparatus and machinery for the manufacture of tobacco and snuff, and for other purposes ; to hold to him, his exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inrol the same within six calendr months from the date thereof. W. H. M. at Westmr, the 5th day of June, in the year above. By writ, &c.

PALMER. 5th June 1798.

2241. A grant unto JOHN PALMER, of Maxstock, in the county of Warwick, yeoman, for his new invention in the construction of apparatus's used for clearing grain from the straw, and for pulverizing the same ; to hold to him, his exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westmr, the 5th day of June, in the year above. By writ, &c.

BOSQUET. 8th June 1798.

2242. A grant unto ABRAHAM BOSQUET, of Stangate, in the parish of Lambeth, in the county of Surry, esqr, formerly of Sandymount, in the county of the city of Dublin, and late one of Our commissaries of musters, for his new invented method, by the application of which Our navy and all trading vessels appertaining to Great Britain may derive durability and soundness to a much greater length of time than they now do ; and also a sweetness, staunchness, and perhaps a total exemption from bilge water, small leakage, and foul air, whereby the health of the seamen may be preserved, and much labour at the pumps avoided, with many other advantages ; to hold to him, his exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed, and also in all the colonies and plantations abroad, for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Wesmtr, the 8th day of June, in the year above. By writ, &c.

HORNBLOWER. 8th June 1798.

2243. A grant unto JONATHAN HORNBLOWER, of the borough of Penryn, in the county of Cornwall, engineer, for his new invented machine or engine, for raising water and for various other useful purposes in arts and manufactures, by means of steam and otherwise; to hold to him, his exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed, for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westmr, the 8th day of June, in the year above. By writ, &c.

Sealed by order.

HAZLEDINE. 14th June 1798.

2244. A grant unto JOHN HAZLEDINE, of Bridgenorth, in the county of Salop, ironfounder, for his new invented method of reducing and forming of large piggs and pieces of iron, copper, brass, and other metals into barrs, plates, and hoops of different breadths, sizes, and shapes, as occasion may require; to hold to him, his exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed, for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westmr, the 14th day of June, in the year above. By writ, &c.

SHANNON. 19th June 1798.

2245. A grant unto RICHARD SHANNON, of Charlotte Street, in the parish of S^{t} Pancras, in the county of Middlesex, doctor of physic, for his new invented method of improving the process of fermentation, by which porter, beer, ale, malt and molasses wash, wine, cyder, and all other saccharine and fermentable fluids, may be conducted with certainty and success through the various process of fermentation, in any state of the weather, without being materially injured, as heretofore, by the different changes of the atmosphere, and subsequently thro' acetous process of fermentation, both in the field and in the stove chamber; with a new improvement in the brewing utensils, and a suitable pneumatic apparatus, which facilitates the process in each kind of fermentation, correspondent to these intentions; to hold to him, his ex̃ors, adm̃ors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed, and also in all the colonies and plantations abroad, for the term of fourteen years pursuant to the statute; with a clause to inroll the same within six calendar months from the date thereof. W. H. M. at Westm^{r}, the 19th day of June, in the year above. By writ, &c.

NUGENT. 27th June 1798.

2246. A grant unto PATRICK ROONEY NUGENT, late acting surveyor general of lands for the island of Cape Breton, in North America, but now of the city of London, esq^{r}, for his new invented and improved mathematical instruments, whereby the latitude and longitude, variation and inclination of the magnetic needle at sea and on shore may be obtained in a more general, masterly, and perfect manner than hath hitherto been done; to hold to him, his ex̃ors, adm̃ors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed, and also in all the colonies and plantations abroad, for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westm^{r}, the 27th day of June, in the year above. By writ, &c.

PEARCE. 30th June 1798.

2247. A grant unto JOHN PEARCE the younger, of Wolverhampton, in the county of Stafford, millwright, for his new invention and improvement in the constructing, making, working, and using of combs and machines for combing of wool in a better manner and with more general utility than any now in use; to hold to him, his ex̃ors, adm̃ors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westm^{r}, the 30th day of June, in the year above. By writ, &c.

GUNBY. 6th July 1798.

2248. A grant unto DAY GUNBY, of Cross Street, Hatton Garden, in the county of Middlesex, carpenter, for his new invented weights, bolts, and springs, for improving all kinds of writing and reading desks, tables, chairs, stools, tambour frames, library steps, bedsteads, and various other articles; to hold to him, his ex̃ors, adm̃ors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed, for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westm^{r}, the 6th day of July, in the year above. By writ, &c.

DICKSON. 14th July 1798.

2249. A grant unto JOHN DICKSON, of Dockhead, in the county of Surry, engineer, for his new invented method of constructing steam engines, pumps, and other hydraulic machines; to hold to him, his ex̃ors, adm̃ors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westm^{r}, the 14th day of July, in the year above. By writ, &c.

ROW.
14th July 1798.

2250. A grant unto WILLIAM ROW, of Newcastle-upon-Tyne, merch^{t}, for his new invented mineral lamp black ; to hold to him, his ex̃ors, adm̃ors, and assigns, within England, Wales, and town of Berwick-upon-Tweed, and also in all the colonies and plantations abroad, for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westm^{r}, the 14th day of July, in the year above. By writ, &^{c}.

MARLOW.
14th July 1798.

2251. A grant unto RICHARD MARLOW, in the parish of S^{t} Marg^{t}, Westminster, in the county of Middlesex, carpenter, for his new invented method of hanging a window sash and window shutter without the appearance of lines and pullies, which are wholly concealed from the sight ; to hold to him, his ex̃ors, adm̃ors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westm^{r}, the 14th day of July, in the year above. By writ, &^{c}.

DUPE.
23rd July 1798.

2252. A grant unto WILLIAM DUPE, of Hammersmith, in the parish of Fulham, in the county of Middlesex, gunmaker, for his new invented method of manufacturing bars of a mixture of iron and steel proper for double barrel gun barrels ; to hold to him, his ex̃ors, adm̃ors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westm^{r}, the 23^{d} day of July, in the year above. By writ, &^{c}.

DOCKER.
3rd August 1798.

2253. A grant unto WILLIAM DOCKER, of Birmingham, in the county of Warwick, slate merch^{t}, for his new invented method of making pipes or tubes of solid block of stone ; to hold to him, his ex̃ors, adm̃ors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed, for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westm^{r}, the 3^{d} day of August, in the year above. By writ, &^{c}.

HALLADAY.
3rd August 1798.

2254. A grant unto STEPHEN HALLADAY, of the parish of S^{t} Martin-in-the-Fields, in the county of Middlesex, for his new invention for the draught or moving of carriages of all descriptions ; to hold to him, his ex̃ors, adm̃ors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within six calendar months from the date thereof. W. H. M. at Westm^{r}, the 3^{d} day of August, in the year above. By writ, &^{c}.

CHELL.
NICKHOLLS.
3rd August 1798.

2255. A grant unto PHILIP CHELL, engineer, and HENRY NICKHOLLS, builder, both of Birmingham, in the county of Warwick, for his new invented machine for lifting, raising, and conveying boats, vessels, or other things from an upper to a lower level, or from a lower to an upper level, on canals or rivers, to save water and prevent tunnelling ; to hold to him, hise x̃ors, adm̃ors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westm^{r}, the 3^{d} day of August, in the year above. By writ, &^{c}.

ASHLEY.
7th August 1798.

2256. A grant unto JOHN ASHLEY, of Islington, in the county of Middlesex, plumber, for his new invented method of raising water from wells of any depth, upon a very simple and permanent construction ; to hold to him, his ex̃ors, adm̃ors, and assigns, within England, Wales, and the town of Berwick-

upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westm^r^, the 7^th^ day of August, in the year above.
By writ, &c.

STATON.
7th August 1798.

2257. A grant unto THOMAS STATON, of Castle Street Park, in Southwark, in the county of Surry, machine maker, for his new invented apparatus for raising beer, ale, wine, spirits, oils, or any other liquids, from cellars or other low places to a higher or more elevated situation; to hold to him, his ex̃ors, adm̃ors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westm^r^, the 7^th^ day of August, in the year above. By writ, &c.

COCHRAN.
7th August 1798.

2258. A grant unto JOHN COCHRAN, yarn merch^t^, in Paisley, for his new invented method of spinning flax, hemp, and tow, by means of machinery wrought by water, and which may be wrought by steam engines, horses, or any other power, the spinning being done at much less expence and much more expeditiously than it can be done in any other way hitherto practised; to hold to him, his ex̃ors, adm̃ors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westm^r^, the 7^th^ day of August, in the year above.
By writ, &c.

BIRCH.
11th August 1798.

2259. A grant unto WILLIAM BIRCH, of Charlotte Street, in the parish of S^t^ George, Bloomsbury, in the county of Middlesex, esq^r^, on behalf of himself and of his son RICHARD COMYNS BIRCH, of Calcutta, in the East Indies, esq^r^, for their new invented method of purifying, refining, and preparing indigo for the use of dyers; to hold to them, their ex̃ors, adm̃ors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within one year and ten calendar months from the date thereof. W. H. M. at Westm^r^, the 11^th^ day of August, in the year above. By writ, &c.

DODGSON.
23rd August 1798.

2260. A grant unto GEORGE DODGSON, of the parish of S^t^ Leonard, Shoreditch, in the county of Middlesex, cabinet maker, for his new invented method of making and constructing pumps and engines for raising and evacuating water or other fluids and for producing power, and is peculiarly adapted for the use of ships and vessels; to hold to him, his ex̃ors, adm̃ors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed, and also in all the colonies and plantations abroad, for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westm^r^, the 23^d^ day of August, in the year above. By writ, &c.

RAPOZO.
27th August 1798.

2261. A grant unto FRANCISCO RAPOZO, of Lisbon, in the kingdom of Portugal, captain of engineers, in the service of Her most Faithful Majesty, for his new invented improvements in the construction of steam engines; to hold to him, his ex̃ors, adm̃ors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed, for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westm^r^, the 27^th^ day of August, in the year above. By writ, &c.

GRENFELL.
10th October 1798.

2262. A grant unto JOHN GRENFELL, of Dulwich, in the county of Kent, merch^t^, for his new invented method of manufacturing copper and tin plate vessels of every description; to hold to him, his ex̃ors, adm̃ors, and assigns,

within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calend^{r} month from the date thereof. W. H. M. at Westm^{r}, the 10th day of Oct^{r}, in the year above. By writ, &^{c}.

ROBERTS. 30th October 1798.

2263. A grant unto SAMUEL ROBERTS, of Park Grange, in the parish of Sheffield, in the county of York, silversmith, for his new invented method of making the nozles of candlesticks; to hold to him, his ex̃ors, adm̃ors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westm^{r}, the 30th day of Oct^{r}, in the year above. By writ, &^{c}.

SOUTHWELL. 8th Nov. 1798.

2264. A grant unto WILLIAM SOUTHWELL, of Broad Court, in the parish of S^{t} Martin-in-the-Fields, in the county of Middlesex, musical instrument maker, of his new invented improvements on the action and construction of piano fortes and other musical instruments; to hold to him, his ex̃ors, adm̃ors, &^{c}, within England, Wales, and the town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within one calend^{r} month from the date thereof. W. H. M. at Westm^{r}, the 8th day of Nov^{r}, in the year above. By writ, &^{c}.

CHAPMAN. 8th Nov. 1798.

2265. A grant unto WILLIAM CHAPMAN, of Newcastle-upon-Tyne, gent., for his further improved method or methods of laying, twisting, or making ropes or cordage of any number of yarns or strands, or any number of threads, tarred or untarred, from the size of a cable down to the smallest line, and of coiling up such ropes or strands of ropes, and for which he obtained former Letters Patent as therein recited; to hold to him, his ex̃ors, adm̃ors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed, and also in the colonies and plantations abroad, for the term of fourteen years pursuant to the statute; with a clause to inroll the same within six weeks from the date thereof. W. H. M. at Westm^{r}, the 8th day of Nov^{r}, in the year above. By writ, &^{c}.

SHORTER. ANTHONY. 10th Nov. 1798.

2266. A grant unto EDWARD SHORTER, of Giltspur Street, in the city of London, clockmaker, and WILLIAM ANTHONY, of Clerkenwell, in the county of Middlesex, watchmaker, of their new invented and improved method of easing, equalizing, and facilitating the draught of carriages of every description, and for easing the body of the same in the fixing thereof; and also for the more the securely fixing tents and marquees, and other useful purposes; to hold to them, their ex̃ors, &^{c}, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within two calend^{r} months from the date thereof. W. H. M. at Westm^{r}, the 10th day of Nov^{r}, in the year above. By writ, &^{c}.

ECKHARDT. 13th Nov. 1798.

2267. A grant unto ANTHONY GEORGE ECKHARDT, of Brompton, in the county of Middlesex, F.R.S., for his new invented instrument to serve as a general standard for regulating proper time in musical performances, for enabling authors to denote with precision the time they have fixed upon, and to assist performers in accomplishing the composer's intention with more facility and correctness than by the mode at present used; to hold to him, his ex̃ors, adm̃ors, & assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westm^{r}, the 13th day of Nov^{r}, in the year above. By writ, &^{c}.

HORNBLOWER. 15th Nov. 1798.

2268. A grant unto JETHRO HORNBLOWER, of Whitehall, in the parish of Kenwyn, in the county of Cornwall, engineer, for his new invented method of making pattens to be worn by women, by altering the composition and clumsiness of their make, and prevent their frequent breaking and uneasiness to the feet; to hold to him, his exors, admors, & assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inrol the same within one calendar month from the date thereof. W. H. M. at Westm^r, the 15^th day of Nov^r, in the year above. By writ, &c.

PONTIFEX. 17th Nov. 1798.

2269. A grant unto WILLIAM PONTIFEX, of Shoe Lane, in the city of London, coppersmith, for his new invented and improved still head for the distilling all sorts of liquors; to hold to him, his exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westm^r, the 17^th day of Nov^r, in the year above. By writ, &c.

CURR. 17th Nov. 1798.

2270. A grant unto JOHN CURR, of Sheffield Park, in the parish of Sheffield, in the county of York, gent^n, for his new invented method of making a flat rope, intended to be used in drawing coals and other materials out of pitts or mines; to hold to him, his exors, &c, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westm^r, the 17^th day of Nov^r, in the year above. By writ, &c.

SMITH. 20th Nov. 1798.

2271. A grant unto NATHAN SMITH, of Brighton, in the county of Sussex, gent., for his new invented method of constructing or making a vapour bath or vessel of different sizes and shapes, by uniting thereto and using therewith a certain machine called an air pump or exhauster, for curing and relieving persons afflicted with the gout and inflammatory disorders of different kinds with which the human body may be afflicted; to hold to him, as above; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westm^r, the 20^th day of Nov^r, in the year above. By writ, &c.

HINDMARSH. 27th Nov. 1798.

2272. A grant unto ROBERT HINDMARSH, of Walworth, in the county of Surry, printer, for his new invented method of applying an elementary or physical power to blast furnaces and all other works where power is required; to hold to him, his exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within four calendar months from the date thereof. W. H. M. at Westm^r, the 27^th day of Nov^r, in the year above. By writ, &c.

DUNNAGE. 27th Nov. 1798.

2273. A grant unto GEORGE DUNNAGE, of the Strand, in the parish of S^t Martin-in-the-Fields, in the county of Middlesex, hat maker, for his new invented method of ventilating the crowns of hats; to hold to him, his exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westm^r, the 27^th day of Nov^r, in the year above. By writ, &c.

NOBLE. 27th Nov. 1798.

2274. A grant unto MARK NOBLE, of Royal Row, in the parish of S^t Mary, Lambeth, in the county of Surry, engine maker, for his new invented apparatus, to be applied to the working of pumps, engines, or machines in

general, whether for sea or land service ; to hold to him, his exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westmr, the 27th day of Novr, in the year above. By writ, &c.

GODBOLD. 27th Nov. 1798.

2275. A grant unto NATHANIEL GODBOLD, of Bloomsbury Square, in the county of Middlesex, esqr, for his new invented remedy in the cure of consumptions, scrophula, and gout, which he calls the vegetable pill, the vegetable balsam, and the vegetable ointment ; to hold to him, his exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inrol the same within one calendar month from the date thereof. W. H. M. at Westmr, the 27th day of Novr, in the year above. By writ, &c.

RALEY. 8th Dec. 1798.

2276. A grant unto WILLIAM RALEY, of Newbald, in the East Riding of the county of York, chymist, for his new invented philosophical furnace and boiler, with an actuating wheel; it being an appendage to the said philosophical furnace and boiler, for the purpose of drawing foul and inflammable air from pitts, mines, &c ; to hold to him, his exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inrol the same within one calendar month from the date thereof. W. H. M. at Westmr, the 8th day of Decr, in the year above. By writ, &c.

TURNER. 8th Dec. 1798.

2277. A grant unto THOMAS TURNER, of Grevill Street, in the parish of St Andrew, Holborn, in the county of Middlesex, ironmonger, for his new invented improvements in the construction or making of locks ; to hold to him, his exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westmr, the 8th day of Decr, in the year above. By writ, &c.

MARKS. 8th Dec. 1798.

2278. A grant unto JOHN MARKS, of Tabernacle Row, Finsbury Square, in the county of Middlesex, taylor, for his new invented method of so making gentlemens breeches as entirely to do away all the inconveniences hitherto complained of ; to hold to him, his exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westmr, the 8th day of Decr, in the year above. By writ, &c.

COLLIER. 12th Dec. 1798.

2279. A grant unto JOSHUA COLLIER, of West Square, in the parish of St George, in the county of Surry, for his new invented chymical process for freeing fish oils from their impurities in point of smell, taste, and colour ; and improved strainers for oils and other liquids ; with other instruments for ascertaining their qualities and assisting their burning ; to hold to him, his exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westmr, the 12th day of Decr, in the year above. By writ, &c.

PECKHAM. 17th Dec. 1798.

2280. A grant unto RANDALL PECKHAM, of Bermondsey, in the county of Surry, watchmaker, for his new invented method of constructing a watch, so as to unite it with a mariners compass in such a manner as to answer every purpose, with equal accuracy and perfection, for which either of them may be

separately used, which he calls a polar watch ; to hold to him, his exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westmr, the 17th day of Decr, in the year above. By writ, &c.

HART. 17th Dec. 1798.

2281. A grant unto WILLIAM HART, of the parish of St James, Westminster, in the county of Middlesex, brazier, for his new invented method of raising of beer, ale, spirituous liquors, &c, from the cellar to the bar or any other part of the house, for the use of publicans, brewers, distillers, and others, together with and by means of sundry new or improved apparatus necessary for that purpose ; to hold to him, his exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inrol the same within one calendr month from the date thereof. W. H. M. at Westmr, the 17th day of Decr, in the year above. By writ, &c.

THOMASON. 22nd Dec. 1798.

2282. A grant unto EDWARD THOMASON, of Birmingham, in the county of Warwick, button maker, for his new invented improvement in the making of steps for coaches, chariots, landaus, &c, and all kinds of carriages to which steps are used ; to hold to him, his exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westmr, the 22d day of Decr, in the year above. By writ, &c.

OVEY. JEPSON. 24th Dec. 1798.

2283. A grant unto THOMAS OVEY, of Fleet Street, in the city of London, hatter, and JOHN JEPSON, of Duke Street, in the parish of St Saviour, Southwark, in the county of Surry, hat manufacturer, for their new invented method of manufacturing hats ; to hold to them, their exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westmr, the 24th day of December, in the year above. By writ, &c.

FUSSELL. 24th Dec. 1798.

2284. A grant unto JAMES FUSSELL, of Mells, in the county of Somerset, iron manufacturer, for his new invented balance engine or apparatus of machinery for raising and lowering boats, barges, or troughs at the locks or falls on inland canals in a new and expeditious manner, and which may be applied to various other useful purposes ; to hold to him, his exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westmr, the 24th day of December, in the year above. By writ, &c.

ALISON. 4th Jan. 1799.

2285. A grant unto WILLIAM ALISON, of Long Lane, in the parish of Bermondsey, in the county of Surry, tanner, for his new invented method of manufacturing an article into leather, commonly called Spanish or Morocco leather ; to hold to him, his exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westmr, the 4th day of January, in the year (1799). By writ, &c.

KENT. 5th Jan. 1799.

2286. A grant unto JOHN KENT, of the town of Southampton, architect and builder, for his new invented and improved method of applying power to the working of mills and other machinery where power is required ; to hold to him,

his exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inrol the same within one calendar month from the date thereof. W. H. M. at Westmr, the 5th day of Jany, in the year above. By writ, &c.

Edgell. 16th Jan. 1799.

2287. A grant unto James Edgell, of Frome Selwood, in the county of Somerset, gentn, for his new invented metal, of a peculiar quality and great strength, in the place, room, & stead of common iron; to hold to him, his exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westmr, the 16th day of Jany, in the year above. By writ, &c.

Fitzgerald. 23rd Jan. 1799.

2288. A grant unto William Fitzgerald, late of the Temple, London, esq, for his new invented signal trumpet, for increasing the power of sound by sea and land; to hold to him, his exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westmr, the 23d day of Jany, in the year above. By writ, &c.

Rand. 26th Jan. 1799.

2289. A grant unto Cater Rand, of Lewes, in the county of Sussex, esqr, for his new invented military and naval telescope; to hold to him, his exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within six calendar months from the date thereof. W. H. M. at Westmr, the 26th day of Jany, in the year above. By writ, &c.

Cooke. 29th Jan. 1799.

2290. A grant unto James Cooke, of Red Lion Square, near Holborn, in the county of Middlesex, for his new invented apparatus, which he terms "carbo frugalist," being an effectual mode of applying fire to boilers, ovens, and other caldronic implements, whereby the power of the heat is very materially increased and the consumption of fuel considerably diminished; much more so than by any other mode hitherto invented; to hold to him, his exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westmr, the 29th day of Jany, in the year above. By writ, &c.

Barton. 29th Jan. 1799.

2291. A grant unto Joseph Barton, of Old Street, in the parish of St Luke, in the county of Middlesex, chymist, for his new invented medicine or chymical preparation, which he denominates "compound concentrated fluid vital air;" to hold to him, his exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed, for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westmr, the 29th day of Jany, in the year above. By writ, &c.

Pierpont. 5th Feb. 1799.

2292. A grant unto Hezekiah Beers Pierpont, of New York, in North America, merchant, at present residing in Surry Street, in the Strand, in the county of Middlesex, for his invention of a new sort or species of oil, produced or extracted from certain vegetable substances not heretofore used in this kingdom for that purpose; to hold to him, his exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed, and also in the colonies and plantations abroad, for the term of fourteen years pursuant

to the statute ; with a clause to inroll the same within four calendar months from the date thereof. W. H. M. at Westm^r, the 5th day of February, in the year above. By writ, &c.

WATTS. 5th Feb. 1799.

2293. A grant unto JOSEPH WATTS, of Yeovil, in the county of Somerset, tawer and glove manufacturer, for his new invented method of tawing, dressing, or converting both foreign and English kid, goat, sheep, and lamb skins, or other skins usually tawed, into gloves and mittens without the materials of lime and bran; to hold to him, his ex̃ors, adm̃ors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westm^r, the 5th day of February in the year above. By writ, &c.

JEFFREYS. 12th Feb. 1799.

2294. A grant unto HUMPHREY JEFFREYS, of the town and county of Newcastle-upon-Tyne, engineer, for his new invented machinery for the purpose of raising and conveying of coals, ores, or other minerals from the interior of coal mines and other mines ; to hold to him, his ex̃ors, adm̃ors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westm^r, the 12th day of February, in the year above. By writ, &c.

DALE. 19th Feb. 1799.

2295. A grant unto JOSEPH DALE, of S^t Mary-le-bone, in the county of Middlesex, music seller, for his new invented improvements on the tambourine ; to hold to him, his ex̃ors, adm̃ors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westm^r, the 19th day of February, in the year above. By writ, &c.

HICKLING. 28th Feb. 1799.

2296. A grant unto SAMUEL SANDY HICKLING, of Birmingham, in the county of Warwick, gent^n, for his new invented method of improving and beautifying certain vessels and utensils used for chemical, culinery, and various other purposes ; to hold to him, his ex̃ors, adm̃ors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westm^r, the 28th day of February, in the year above. By writ, &c.

LUCCOCK. 28th Feb. 1799.

2297. A grant unto JOHN LUCCOCK, of Morley, near Leeds, in the county of York, wool stapler, for his new invented machine, upon hydrostatic principles to produce very considerable mechanical power, applicable to all the purposes of a steam engine, but without the use of fire, steam, or waterwheel; to hold to him, his ex̃ors, adm̃ors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within one calend^r month from the date thereof. W. H. M. at Westm^r, the 28th day of February, in the year above. By writ, &c.

TIDMARSH. 28th Feb. 1799.

2298. A grant unto JOSEPH TIDMARSH, of the parish of S^t Luke, Chelsea, in the county of Middlesex, glazier and painter, for his new invented article which may be used alone, as a substitute for paint, or mixed with paints in general, for the purpose of enlarging their quantity and reducing their price ; to hold to him, his ex̃ors, adm̃ors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westm^r, the 28th day of February, in the year above. By writ, &c.

MEDHURST. 28th Feb. 1799.

2299. A grant unto GEORGE MEDHURST, of Battle Bridge, in the parish of S^{t} James, Clerkenwell, engineer, for his new invented condensing wind engine, capable of being applied to all purposes, in which neither steam, wind, water, or horses are used; to hold to him, his ex̃ors, adm̃ors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westm^{r}, the 28th day of February, in the year above. By writ, &^{c}.

HARDIE. 8th March 1799.

2300. A grant unto DAVID HARDIE, of the parish of S^{t} James, Westminster, in the county of Middlesex, gent^{n}, for his new invented improvement in and upon cranes for raising and lowering goods into and out of warehouses, and which will considerably lessen the labour that is usually required to work them; to hold to him, his ex̃ors, adm̃ors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westm^{r}, the 8th day of March, in the year above. By writ, &^{c}.

LOGAN. 8th March 1799.

2301. A grant unto MICHAEL LOGAN, of Paradise Street, in the parish of S^{t} Mary, Rotherhithe, in the county of Surry, engineer, for his new invented centrifugal barrel engine of central force, for raising water and great weights from great depths, and applicable to all manufactories or systems of machinery, either great or small, requiring the action of circular motion, such as an effectual power in mill work, water works, and clock work; to hold to him, his ex̃ors, adm̃ors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westm^{r}, the 8th day of March, in the year above. By writ, &^{c}.

DELAP. 6th April 1799.

2302. A grant unto ROBERT DELAP, of Banville, near Banbridge, in the kingdom of Ireland, bleacher, for his new invented economical boilers for sundry useful purposes; to hold to him, his ex̃ors, adm̃ors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed, and also in all the colonies and plantations abroad, for the term of fourteen years pursuant to the statute; with a clause to inroll the same within six calendar months from the date thereof. W. H. M. at Westm^{r}, the 6th day of April, in the year above. By writ, &^{c}.

BRODUM. 10th April 1799.

2303. A grant unto WILLIAM BRODUM, of the parish of Christchurch, in the county of Surry, d^{r} of physic, for his new invented medicine, which he denominates "Doctor Brodum's botanical syrup," for the cure of scorbutic, leprous, and scrofulous complaints, and various other diseases to which the human body is subject; and also a medicine which he denominates "Doctor Brodum's nervous cordial," for the cure of consumptive, nervous, and debilitated constitutions; to hold to him, his ex̃ors, adm̃ors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westm^{r}, the 10th day of April, in the year above. By writ, &^{c}.

REHE. 11th April 1799.

2304. A grant unto SAMUEL REHE, of the parish of S^{t} Bride, in the city of London, mechanist, for his new invented engine or apparatus for giving motion to water or other fluids, either for the purpose of conveying such fluids from place to place in any direction, or for mechanical purposes, which apparatus is also capable of being made the instrument for transmitting the force of

water, or any other of the fluids hitherto used as first movers in mills and other machines ; to hold to him, his exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westm^r, the 11^th day of April, in the year above. By writ, &c.

BRUNEL. 11th April 1799.

2305. A grant unto MARC ISAMBARD BRUNEL, of the parish of S^t Mary, Newington, in the county of Surry, gent^n, for his new invented writing and drawing machine, by which two or more writings or drawings resembling each other may be made by the same person at the same time; to hold to him, his exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within one calendar month from the date thereof. W H. M. at Westm^r, the 11^th day of April, in the year above. By writ, &c.

DAVIS. 11th April 1799.

2306. A grant unto GEORGE DAVIS, of Windsor, in the county of Berks, locksmith, for his new invented double chambered lock, with cylinders, to which pins are affixed in different directions, instead of wards ; to hold to him, his exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westm^r, the 11^th day of April, in the year above. By writ, &c.

WILDEY. 16th April 1799.

2307. A grant unto HENRY WILDEY, of New Compton Street, in the parish of S^t Giles-in-the-Fields, in the county of Middlesex, smith, for his new invented method of applying springs to the poles or shafts of two wheel'd carriages, which he calls an "antimobile ;" to hold to him, his exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the stat. ; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westm^r, the 16^th day of April, in the year above. By writ, &c.

WOOD. 20th April 1799.

2308. A grant unto HENRY WOOD, of Sloane Square, in the parish of S^t Luke, Chelsea, in the county of Middlesex, statuary, for his new invented instrument or machine, intended to be called a time setter, whereby the possessor thereof is enabled to publish to every one viewing the same several purposes intended to be performed by him at any future given period of time, or within certain given intervals, with great ease and celerity, and without being subject to error ; to hold to him, his exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westm^r, the 20^th day of April, in the year above. By writ, &c.

SIMPSON. 23rd April 1799.

2309. A grant unto ROBERT SIMPSON, of the parish of S^t John, Clerkenwell, in the county of Middlesex, surgeon's instrument maker, of his new invented instrument for extracting teeth in a perpendicular direction ; to hold to him, his exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westm^r, the 23^d day of April, in the year above. By writ, &c.

KNOWLES. 27th April 1799.

2310. A grant unto JAMES KNOWLES, of the parish of S^{t} Mary, Lambeth, in the county of Surry, leather dresser, for his new invented method of dressing or preparing skins for the purpose of converting them into leather, whereby much trouble, labour, and expence is saved ; to hold to him, his ex̃ors, adm̃ors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westm^{r}, the 27th day of April, in the year above. By writ, &^{c}.

GILLISPIE. 30th April 1799.

2311. A grant unto WILLIAM GILLISPIE, callico printer, at Anderston, near Glasgow, for his new invented method of printing, colouring, or staining linens, callicoes, or other cloths ; to hold to him, his ex̃ors, adm̃ors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed, for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within one calend^{r} month from the date thereof. W. H. M. at Westm^{r}, the 30th day of April, in the year above. By writ, &^{c}.

TENNANT. 30th April 1799.

2312. A grant unto CHARLES TENNANT, bleacher, at Darnley, near Glasgow, for his new invented method of preparing the oxygenated muriates of calcareous earths, strontites, barytes, and magnesias, in a dry, undissolved, or powdery form, without suspension or solution in water or other watery fluid, or in the state of paste; and for applying such oxygenated muriates of the above earths to the purposes of bleaching or removing colours from vegetable or animal substances, by dissolving or suspending these oxygenated muriates, or such parts of them as are soluble or may be suspended in water or other watery fluid, and applying the liquor so procured to the substances to be whitened; and for using the dry or powdery oxygenated muriates or pastes of the above earths in other ways, for the purposes of removing colours from the substances above ment^{d} ; to hold to him, his ex̃ors, adm̃ors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inrol the same within one calendar month from the date thereof. W. H. M. at Westm^{r}, the 30th day of April, in the year above. By writ, &^{c}.

BELFOUR. 30th April 1799.

2313. A grant unto JOHN DANIEL BELFOUR, of the town of Elsineur, in the kingdom of Denmark, for his new invented method of manufacturing of cordage of all kinds, and for which he obtained former Letters Patent, dated respectively on or about the 16th day of March 1793 and the 3^{d} day of May 1798, by means of which improvements the work is accelerated and simplified ; to hold to him, his ex̃ors, adm̃ors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westm^{r}, the 30th day of April, in the year above. By writ, &^{c}.

WILKINS. 25th May 1799.

2314. A grant unto STEPHEN WILKINS, of the parish of S^{t} Peter, in the county of Worcester, for his new invented composition of a gum to be used in callico printing ; to hold to him, his ex̃ors, adm̃ors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within one calendar month from the date hereof. W. H. M. at Westm^{r}, the 25th day of May, in the year above. By writ, &^{c}.

BROWNE. 28th May 1799.

2315. A grant unto HENRY BROWNE, of Derby, in the county of Derby, chemist, for his new invented method of making and preparing extract of zinc, which he has frequently used and applied to various medicinal purposes; to hold to him, his ex̃ors, adm̃ors, and assigns, within England, Wales, and the

town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westm^r, the 28^th day of May, in the year above. By writ, &c.

WILKINSON. 28th May 1799.

2316. A grant unto JOHN WILKINSON, of Castlehead, in the county of Lancaster, iron master, for his new invented improvement in boilers, applicable to salt pans or any other purpose where a saving of fuel is an object; to hold to him, his exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westm^r, the 28^th day of May, in the year above. By writ, &c.

CHAPMAN. 6th June 1799.

2317. A grant unto THOMAS CHAPMAN, of the parish of S^t Mary Magdalen, Bermondsey, in the county of Surry, skinner and seal wool manufacturer, for his new invented method of taking off the wool or fur from seals and other skins in a more perfect state than has hitherto been done, for the purpose of manufacturing the same into hats or any other article of clothing, whereby the skins or pelts are less damaged than by any other process yet adopted, and are kept and preserved in a perfect state for the purpose of tanning into any kind of leather ; to hold to him, his exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed, and also in the colonies and plantations abroad, for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westm^r, the 6^th day of June, in the year above. By writ, &c.

KING. 17th June 1799.

2318. A grant unto WILLIAM KING, of Pear Tree Street, in the parish of S^t Luke, Old Street, in the county of Middlesex, tin plate worker, for his new invented joints on improv'd principles, and of applying the same to tea pots, coffee pots, coffee biggins, tea urns, coffee urns, tea caddies, and every other article that hath a lid or door to it, either in small or lose work ; to hold to him, his exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within six calendar months from the date thereof. W. H. M. at Westm^r, the 17^th day of June, in the year above. By writ, &c.

BREWIN. 18th June 1799.

2319. A grant unto FRANCIS BREWIN, of Bermondsey, in the county of Surry, tanner, for his new invented method of tanning hides and skins ; to hold to him, his exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westm^r, the 18^th day of June, in the year above. By writ, &c.

HAYES. 18th June 1799.

2320. A grant unto JOHN HAYES, of Wokingham, in the county of Wilts, gent., for his new invented machines or instruments for the cultivation or tillage of all kinds of land ; to hold to him, his exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westm^r, the 18^th day of June, in the year above. By writ, &c.

WILKINSON. 18th June 1799.

2321. A grant unto JOHN WILKINSON, of Castle Head, in the county of Lancaster, iron master, for his new invented method of making ceruse or white lead ; to hold to him, his exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant

to the statute; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westm^r, the 18^th day of June, in the year above. By writ, &c.

WHITTMORE. SHARP. 26th June 1799.

2322. A grant unto AMOS WHITTMORE, of Banner Street, in the parish of S^t Luke, in the county of Middlesex, cotton and wool card maker, and CLEMENT SHARP, of the same place, merch^t, for their new invented method of making cards for carding cotton, wool, silk, and other things; to hold to him, his ex̃ors, adm̃ors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calend^r month from the date thereof. W. H. M. at Westm^r, the 26^th day of June, in the year above. By writ, &c.

HOOPER. 26th June 1799.

2323. A grant unto STEPHEN HOOPER, of Margate, in the Isle of Thanet and county of Kent, for his new invented machine for the purpose of cleansing rivers, creeks, harbours, or bars of harbours, and sandbanks or other shoals at sea, by the power of the tide or current; to hold to him, his ex̃ors, adm̃ors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calend^r month from the date thereof. W. H. M. at Westm^r, the 26^th day of June, in the year above. By writ, &c.

BOYCE. 4th July 1799.

2324. A grant unto JOSEPH BOYCE, of Pine Apple Place, in the parish of S^t Mary-le-bone, in the county of Middlesex, gent^n, for his new invented machine for cutting wheat and all other corn; to hold to him, his ex̃ors, adm̃ors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westm^r, the 4^th day of July, in the year above. By writ, &c.

EATON. 4th July 1799.

2325. A grant unto JOHN EATON, of the town of Nottingham, frame work knitter, for his new invented piece of machinery, to be added and affixed to a stocking frame, for manufacturing by a more speedy, simple, and neat method elastic cross stitch, plated hose pieces, gloves, mitts, and all other articles manufactured or capable of being manufactured upon stocking frames with silk, or silk plated upon cotton, worsted, or thread, or cotton plated upon worsted, cotton, thread, different from any other manner or method of manufacturing such goods hitherto known or found out; to hold to him, his ex̃ors, adm̃ors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westm^r, the 4^th day of July, in the year above. By writ, &c.

CHAPMAN. CHAPMAN. 16th July 1799.

2326. A grant unto WILLIAM CHAPMAN, of Newcastle-upon-Tyne, gent^n, and EDWARD WALTON CHAPMAN, of the same place, gent^n, for their new invented method or methods of making cords, ropes, and cordage, both tarred and untarred, from the spinning of the yarn inclusive to the finishing of the rope or cordage; to hold to him, his ex̃ors, adm̃ors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed, and also in the colonies and plantations abroad, for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westm^r, the 16^th day of July, in the year above. By writ, &c.

MURRAY. 16th July 1799.

2327. A grant unto MATTHEW MURRAY, of Leeds, in the county of York, engineer, for his new invented improvements on the steam engine, for the purpose of saving fuel, lessening the expence of erecting steam engines, and producing a more steady motion therein, than by any means at present practised; to hold to him, his exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westmr, the 16th day of July, in the year above. By writ, &c.

ASHWORTH. 16th July 1799.

2328. A grant unto JOHN ASHWORTH, of Oldfield, in the parish of Salford, near Manchester, in the county of Lancaster, dyer, of his new invented machine or apparatus for a speedy and elegant method of stiffening, drying, and finishing dyed muslins; to hold to him, his exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendr month from the date thereof. W. H. M. at Westmr, the 16th day of July, in the year above. By writ, &c.

NEWMAN. 16th July 1799.

2329. A grant unto PAUL NEWMAN, of Melksham, in the county of Wilts, clothier, for his new invented method of figuring and ornamenting, by means of pressure, embossment, or otherwise, cloths or stuffs of woollen, linen, cotton, velvet, silk, or sattin, or any mixture of those materials; to hold to him, his exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westmr, the 16th day of July, in the year above. By writ, &c.

FITZGERALD. 16th July 1799.

2330. A grant unto WILSON FITZGERALD, of the Middle Temple, London, esqr, for his new invented method of making or producing tallow or fat; to hold to him, his exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westmr, the 16th day of July, in the year above. By writ, &c.

GRATRIX. 17th July 1799.

2331. A grant unto SAMUEL GRATRIX, of Hulme, in the parish of Manchester and county of Lancaster, callico printer and dyer, for his new invented method of dying and staining colours upon cotton cloth, linen cloth, and cotton and linen cloth mixed, much superior to any method heretofore in use; to hold to him, his exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westmr, the 17th day of July, in the year above. By writ, &c.

BINNS. 20th July 1799.

2332. A grant unto THOMAS BINNS, of Great Barlow Street, in the parish of St Mary-le-bone, in the county of Middlesex, for his new invented movement, producing a retrograde motion, capable of being applied to mangles and calenders; to hold to him, his exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed, for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westmr, the 20th day of July, in the year above. By writ, &c.

MITCHELL. 23rd July 1799.

2333. A grant unto JAMES MITCHELL, of the hamlet of Poplar and Blackwall, in the county of Middlesex, rope maker, for his new invented method of manufacturing cables, hawsers or shroud laid ropes, and other cordage, on a

scientific principle ; to hold to him, his exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westm^r^, the 23^d^ day of July, in the year above. By writ, &c.

LAMBIE. 23rd July 1799.

2334. A grant unto JAMES LAMBIE, machine maker, at Paisley, in North Britain, for his new invented mode of applying additional power to various kinds of machinery, by which the force of a man is greatly increased ; to hold to him, his exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westm^r^, the 23^d^ day of July, in the year above. By writ, &c.

GRIMSHAW. 2nd August 1799.

2335. A grant unto JOHN GRIMSHAW, of Bishop Wearmouth, in the county of Durham, rope maker, for his new invented improvements in the methods of manufacturing ropes and cordage ; to hold to him, his exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inrol the same within one calendar month from the date thereof. W. H. M. at Westm^r^, the 2^d^ day of August, in the year above. By writ, &c.

HUNT. CLIFFE. 2nd August 1799.

2336. A grant unto WILLIAM HUNT and WASTEL CLIFFE, of the Brades, in the county of Stafford, steel manufacturers, for their new invented method of grinding corn, malt, and other grain, with steel or iron hardened plates ; to hold to them, their exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westm^r^, the 2^d^ day of August, in the year above. By writ, &c.

DODSON. SKIDMORE. 8th August 1799.

2337. A grant unto GEORGE DODSON, of Blackfriars Road, in the parish of Christchurch, in the county of Surry, cabinet maker, and JOHN SKIDMORE, of High Holborn, in the county of Middlesex, iron founder, for their new invented method of making and casting, with cast iron, brass, or mixed metal, naves or stocks for all sorts of wheels to be used for all sorts of carriages ; to hold to them, their exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed, for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westm^r^, the 8^th^ day of August, in the year above. By writ, &c.

WOODS. 13th August 1799.

2338. A grant unto EDWARD WOODS, of Parr, near S^t^ Helen, in the county palatine of Lancaster, gent^n^, for his new invented machinery for the purpose of slitting, fashioning, pointing, sinking down, bottoming, and founding of ivory, bone, horn, tortoishell, and box combs, and for cutting all kinds of fustians ; to hold to him, his exors, admors, and assigns, within England, Wales, and the town of B.-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within six calendar months from the date thereof. W. H. M. at Westm^r^, the 13^th^ day of August, in the year above. By writ, &c.

HUDDART. 20th August 1799.

2339. A grant unto JOSEPH HUDDART, of Islington, in the county of Middlesex, esquire, for his new invented method of registering or forming the strands in the machinery for manufacturing of cordage ; to hold to him, his exors, admors, and assigns, within England, Wales, and the town of Berwick-

upon-Tweed, for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westm^r, the 20^th day of Aug^t, in the year above.
By writ, &c.

MURDOCH. 29th August 1799.

2340. A grant unto WILLIAM MURDOCH, of Redruth, in the county of Cornwall, engineer, for his new invented method of manufacturing and constructing steam engines ; to hold to him, his ex̃ors, adm̃ors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westm^r, the 29^th day of Aug^t, in the year above. By writ, &c.

BISHOP. 23rd Sept. 1799.

2341. A grant unto JOHN BISHOP, of Newhaven, in the state of Connecticut, in North America, at present residing in the parish of S^t Paul, Covent Garden, in the county of Middlesex, for his new invented method of creating a power, useful in moving machinery and reducing labour, by means of fire, water, and steam, with or without condensation, applicable to every purpose where strength is required ; to hold to him, his ex̃ors, adm̃ors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westm^r, the 23^d day of Sept^r, in the year above. By writ, &c.

CROOKS. 23rd Sept. 1799.

2342. A grant unto JOHN CROOKS, of Edinburgh, chymist, for his new invented method of making soap, and bleaching, by means and use of volatile mineral and vegetable alkalis, either by joining them with each other or using the volatile alkalis by itself, and of killing vermine ; to hold to him, his ex̃ors, adm̃ors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westm^r, the 23^d day of Sept^r, in the year above.
By writ, &c.

BOLTS. 26th Sept. 1799.

2343. A grant unto WILLIAM BOLTS, of Aldgate Street, London, gent^n, for his new invented mode of making and improving the form, quality, and use of candles and other lights made of tallow, wax, spermaceti, or any other inflammable substances ; to hold to him, his ex̃ors, adm̃ors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within six calendar months, from the date thereof. W. H. M. at Westm^r, the 26^th day of Sept^r, in the year above. By writ, &c.

ECKHARDT. 3rd October 1799.

2344. A grant unto ANTHONY GEORGE ECKHARDT, of Queen's Buildings, Knightsbridge, gent^n, F. R. S., for his new invented method of constructing and moving the back and bottom of fire grates, combined with cheeks on a new construction, which is particularly adapted for kitchen ranges and can be applied to other grates, by which a great saving of coals will be obtained ; to hold to him, his ex̃ors, adm̃ors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inrol the same within one calendar month from the date thereof. W. H. M. at Westm^r, the 3^d day of Oct^r, in the year above. By writ, &c.

SMITH. 3rd October 1799.

2345. A grant unto JOSEPH SMITH, of the parish of S^t Martin-in-the-Fields, in the county of Middlesex, gent^n, for his new invented improvements in the internal bracings of piano fortes, so as to admit the introduction into the internal part of the instrument of a drum, tabour, or tambourine, with sticks

or beaters thereunto belonging, together with other improvements thereon; to hold to him, his exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within four calendar months from the date thereof. W. H. M. at Westm^r, the 3^d day of Oct^r, in the year above. By writ, &c.

HOTCHKIS. 3rd October 1799.

2346. A grant unto JOHN HOTCHKIS, esq^r, lieut^t in the Royal Navy, for his new invented mechanical power, for the purpose of lifting weights, moving ships, weighing anchors, &c; to hold to him, his exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westm^r, the 3^d day of Oct^r, in the year above. By writ, &c.

BELL. 4th Nov. 1799.

2347. A grant unto JAMES BELL, of Chancery Lane, in the county of Middlesex, taylor, for his new invented pocket fastening to prevent the loss of property; to hold to him, his exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westm^r, the 4^th day of November, in the 40^th year of His reign. By writ, &c.

FODEN. 4th Nov. 1799.

2348. A grant unto THOMAS FODEN, of the city of Coventry, woollen manufacturer, for his new invented crystaline size or mixture, to be used in sizing and dressing cotton, worsted, and linen yarn; to hold to him, his exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inrol the same within one calendar month from the date thereof, W. H. M. at Westm^r, the 4^th day of Nov^r, in the 40^th year of His reign. By writ, &c.

LONSDALE. 4th Nov. 1799.

2349. A grant unto WILLIAM LONSDALE, of Harrington, in the county of Cumberland, mariner, for his new invented improvement on weighing anchors, steering ships, and other advantageous methods of weighing, raising, and uplifting any heavy burthen or weight on board of ships; to hold to him, his exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westm^r, the 4^th day of Nov^r, in the year above. By writ, &c.

GOWER. 4th Nov. 1799.

2350. A grant unto RICHARD HALL GOWER, of Leaden Hall Street, in the city of London, mariner, in the service of the East India Company, for his new invented method of rigging of vessels, upon an improved plan; to hold to him, his exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed, and also in the colonies and plantations abroad, for the term of fourteen years pursuant to the statute; with a clause to inrol the same within six calendar months from the date thereof. W. H. M. at Westm^r, the 4^th of Nov^r, in the year above. By writ, &c.

GOUT. 4th Nov. 1799.

2351. A grant unto RALPH GOUT, of Bunhill Row, in the parish of St Luke, Old Street, in the county of Middlesex, watchmaker, for his new invented improvements on pedometers and pedometrical watches, for the purpose of ascertaining more accurately and with greater precision the number of steps the wearer makes in walking; and, when affixed to a saddle, the number of paces the horse makes; and also, when affixed to a curricle or other

carriage, the number of the revolutions of the wheel; to hold to him, his exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westm^r, the 4^th day of Nov^r, in the year above. By writ, &c.

BINNS. 4th Nov. 1799.

2352. A grant unto THOMAS BINNS, of Great Barlow Street, in the parish of St Mary-le-Bone, in the county of Middx, water closet maker, for his new invented machine or apparatus, answering the several purposes of a portable water closet or bidet and easy chair, which together are comprised in one third of the space or room occupied by portable water closets now in use, and which, from its lightness and size, is particularly calculated for travelling or for camps and ships; to hold to him, his exors, &c, within England, Wales, and the town of Berwick-upon-Tweed, for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westm^r, the 4^th day of Nov^r, in the year above. By writ, &c.

FODEN. 4th Nov. 1799.

2353. A grant unto THOMAS FODEN, of the city of Coventry, cotton manufacturer, for his new invented loom for the purpose of warping, dressing, weaving, and piecing of silk, cotton, woollen, or any other yarn, far superior to any loom hitherto used or now in practice; to hold to him, his exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westm^r, the 4^th day of Nov^r, in the year above. By writ, &c.

PRIOR. 4th Nov. 1799.

2354. A grant unto EDMUND PRIOR, of Brook Street, Holborn, in the county of Middlesex, leather seller, for his new invention of painting and colouring all kinds of leather; to hold to him, his exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westm^r, the 4^th day of Nov^r, in the year above. By writ, &c.

WILLIAMS. WILLIAMS. 4th Nov. 1799.

2355. A grant unto JOHN WILLIAMS and JOSEPH WILLIAMS, of Holywell Street, in the parish of S^t Clement Danes, in the liberty of Westminster, stationers, for their new invented method of binding all sorts of books; to hold to them, their exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westm^r, the 4^th day of Nov^r, in the year above. By writ, &c.

TUNSTALL. 9th Nov. 1799.

2356. A grant unto WILLIAM TUNSTALL, of Kidd, in the parish of Ripley, in the county of York, gent^n, for his new invented portable hand engine or machine for threshing all kinds of grain; to hold to him, his exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed, and also in the colonies and plantations abroad, for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at West^r, the 9^th day of Nov^r, in the year above. By writ, &c.

LANDER. 9th Nov. 1799.

2357. A grant unto WILLIAM LANDER, of Mere, in the county of Wilts, brass founder, for his new invented method of raising water by pumps or other engines, by means of an apparatus for moving the piston rod; to hold to him, his exors, admors, and assigns, within England, Wales, and the

town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westm^r, the 9^th day of Nov^r, in the year above.
By writ, &c.

BURNS. 23rd Nov. 1799.

2358. A grant unto JAMES BURNS, of the city of Glasgow, in the county of Lanark, builder, for his new invented improvements applicable to fire grates, stoves, furnaces, and chimneys ; to hold to him, his ex̃ors, adm̃ors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within four calendar months from the date thereof. W. H. M. at Westm^r, the 23^d day of Nov^r, in the year above. By writ, &c.

FUSSELL. DOUGLASS. 28th Nov. 1799.

2359. A grant unto JAMES FUSSELL, of Mells, in the county of Somerset, iron manufacturer, and JAMES DOUGLASS, of Church Street, in the parish of Christ Church, in the county of Surry, engineer, for his new invented and improved apparatus, composed of chains, wheels, rollers, and conductors, for the purpose of lessening friction, in raising, lowering, driving, and conducting heavy bodies, and applicable to various other useful purposes ; to hold to him, his ex̃ors, adm̃ors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within one calendar month from the date thereof. Witness H. M. at Westm^r, the 28^th day of Nov^r, in the year above.
By writ, &c.

THOMASON. 28th Nov. 1799.

2360. A grant unto EDWARD THOMASON, of Birmingham, manufacturer, for his new invented improvements in the mechanism of the cocks of gun locks, applicable to all kinds of fire arms ; to hold to him, his ex̃ors, adm̃ors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westm^r, the 28^th day of Nov^r, in the year above. By writ, &c.

FOSTER. 2d Dec. 1799.

2361. A grant unto JOHN FOSTER, of Oxford Street, in the parish of S^t Mary-le-bone, in the county of Middlesex, breeches maker, for his new invented bracer or sling, acting by means of a certain spring or springs made of steel, calculated for the better and more convenient suspending or keeping up breeches, pantaloons, or drawers ; to hold to him, his ex̃ors, adm̃ors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westm^r, the 2^d day of Dec^r, in the year above. By writ, &c.

PALMER. 6th Dec. 1799.

2362. A grant unto JOHN PALMER, of Maxstock, in the county of Warwick, gent^n, for his new invented improvements in machinery for clearing grain from the ear or stalk, and for breaking or cutting the straw into provender for cattle and other useful purposes ; to hold to him, his ex̃ors, adm̃ors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westm^r, the 6^th day of Dec^r, in the year above. By writ, &c.

REYNOLDS. 6th Dec. 1799.

2363. A grant unto WILLIAM REYNOLDS, of Ketley, in the parish of Wellington, in the county of Salop, iron master, for his new invented method of preparing iron for the conversion thereof into steel ; to hold to him, his ex̃ors, adm̃ors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westm^r, the 6^th day of Dec^r, in the year above. By writ, &c.

CHABANNES. 16th Dec. 1799.

2364. A grant unto JOHN FREDERICK CHABANNES, of Welbeck Street, in the parish of S^{t} Mary-le-bone, in the county of Middlesex, esquire, for his new invented machine for separating coals, and a composition for making small coals into cakes or bricks to be used for fuel ; to hold to him, his ex̃ors, adm̃ors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westm^{r}, the 16th day of Dec^{r}, in the year above. By writ, &c.

LUDLOW. WILCOX. 20th Dec. 1799.

2365. A grant unto EDWARD LUDLOW, of Walworth, in the county of Surry, and ANN WILCOX, of the city of London, for their new invented playing cards, to be named "brilliant new invented knights' cards"; to hold to them, their ex̃ors, adm̃ors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westm^{r}, the 20th day of Dec^{r}, in the year above. By writ, &c.

LOOSEMORE. 20th Dec. 1799.

2366. A grant unto WILLIAM LOOSEMORE, of the parish of S^{t} Luke, Old Street, in the county of Middlesex, factor, for his new invented method of making and manufacturing certain cloth for general uses and purposes ; to hold to him, his ex̃ors, adm̃ors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within four calendar months from the date thereof. W. H. M. at Westm^{r}, the 20th day of Dec^{r}, in the above. By writ, &c.

TURNER. TURNER. 9th Jan. 1800.

2367. A grant unto WILLIAM TURNER and JOHN TURNER, of Lane End, in the parish of Stoke-upon-Trent, in the county of Stafford, potters, for their new invented method of manufacturing porcelain and earthenware by the introduction of a material not heretofore used in the manufacturing of those articles ; to hold to them, their ex̃ors, adm̃ors, & assigns, within England, Wales, and the town of Berwick-upon-Tweed, and also in the colonies and plantations abroad, for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westm^{r}, the 9th day of January, in the year above, 1800. By writ, &c.

SANFORD. 20th Jan. 1800.

2368. A grant unto ISAAC SANFORD, of Hartford, in the state of Connecticut, in North America, gent^{n}, at present residing in the parish of S^{t} Paul, Covent Garden, in the county of Middlesex, for his new invented method of manufacturing and making bricks, tiles, and pottery ware in general, and of discharging the moulds used therein ; to hold to him, his ex̃ors, adm̃ors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within four calendar months from the date thereof. W. H. M. at Westm^{r}, the 20th day of January, in the year above. By writ, &c.

PARKINSON. 1st Feb. 1800.

2369. A grant unto THOMAS PARKINSON, of Market Square, in the parish S^{t} George, Bloomsbury, in the county of Middlesex, gent., for his new invented hydrostatic engine or machine for the purpose of drawing beer or any other liquors out of a cellar or vault, or for raising water out of mines, ships, wells, or for any other purpose where fluids are required to be raised ; to hold to him, his ex̃ors, adm̃ors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westm^{r}, the 1st day of February, in the year above. By writ, &c.

COLEMAN. 1st Feb. 1800.

2370. A grant unto EDWARD COLEMAN, for his new invented artificial frog, which, being applied to the natural frogs of horses feet, will effectually prevent contracted hoofs, thrushes, and canker, and therefore must necessarily be of great public utility; to hold to him, his exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westmr, the 1st day of February, in the year above. By writ, &c.

SHORTER. 1st Feb. 1800.

2371. A grant unto EDWARD SHORTER, of Newington, in the county of Surry, mechanic, for his new invented machine or engine for working and causing the progressive motion of ships and vessels of every description, without the assistance of sails or oars; to hold to him, his exors, admors, and assigns, within England, Wales, and the town of Berwick upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westmr, the 1st day of February, in the year above. By writ, &c.

MILLER. 4th Feb. 1800.

2372. A grant unto SAMUEL MILLER, of the parish of St Mary-le-bone, in the county of Middlesex, engraver, for his new invented machine and process for the more easily dividing of hard substances, as well as for raising all kinds of heavy weights and driving all sorts of machinery; to hold to him, his exors, admors, and assigns, within England, Wales, and the town of Berwick-upon Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westmr, the 4th day of February, in the year above. By writ, &c.

LUMBERT. 4th Feb. 1800.

2373. A grant unto RICHARD LUMBERT, of the parish of Wick Rissington, in the county of Gloucester, gentn, for his new invented improvements of the plough, or machine for the draining of lands; to hold to him, his exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westmr, the 4th day of February, in the year above. By writ, &c.

BARNETT. 4th Feb. 1800.

2374. A grant unto JOSEPH BARNETT, of Birmingham, in the county of Warwick, merchant, for his new invented method of making buttons for wearing apparel; to hold to him, his exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westmr, the 4th day of Febv, in the year above. By writ, &c.

LESTER. 4th Feb. 1800.

2375. A grant unto WILLIAM LESTER, of Cotton End, in the parish of Hardingstone, near Northampton, farmer, and patent harrow manufacturer, for his new invented engine or machine for the purpose of cutting hay and straw into chaff, and other useful purposes, for the use of cattle; to hold to him, his exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westmr, the 4th day of February, in the year above. By writ, &c.

HORNBLOWER. 4th Feb. 1800.

2376. A grant unto JABEZ CARTER HORNBLOWER, of John's Row, City Road, in the parish of St Luke, in the county of Middlesex, engineer, for his new invented method of glazing callicoes, cottons, muslins, linens, &c; to

hold to him, his exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westm^r, the 4th day of February, in the year above. By writ, &c.

STUART. 19th Feb. 1800.

2377. A grant unto ROBERT STUART, cotton spinner, at Blantyre Cotton Mills, near Glasgow, for his new invented method of starching and preparing cotton yarn, in that state called the cop, by which means it is at once fitted for being made into warp, or the chain of the web, without undergoing certain operations at present in use, and also that the cotton yarn so prepared by him in the cop is, in like manner, at once filled for the purpose of weft or woof, by which means certain expensive operations are also saved; to hold to him, his exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westm^r, the 19th day of February, in the year above. By writ, &c.

CROWTHER. 28th Feb. 1800.

2378. A grant unto PHINEHAS CROWTHER, of the town of Newcastle-upon-Tyne, engineer, for his new invented method of applying the power of a reciprocating steam engine to the crank or rotative axis for drawing of coals, lead, tin, &c, out of mines, or for carrying or drawing machinery for any other purpose whatsoever; to hold to him, his exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inrol the same within one calendar month from the date thereof. W. H. M. at Westm^r, the 28th day of February, in the year above. By writ, &c.

MAULLIN. 28th Feb. 1800.

2379. A grant unto RICHARD MAULLIN, of Coseley, in the county of Stafford, screw maker, for his new invented machine or contrivance to mould or withdraw patterns for the casting of wood, bed, and all other screws, which are got up in cast iron, brass, or other metallic compositions; to hold to him, his exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westm^r, the 28th day of February, in the year above. By writ, &c.

STEERS. 19th March 1800.

2380. A grant unto EDWARD STEERS, of the Inner Temple, London, esq^r, for his new invented machine, to be applied to boats or vessels for the purpose of moving them along with ease and celerity; to hold to him, his exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inrol the same within one calendar month from the date thereof. W. H. M. at Westm^r, the 19th day of March, in the year above. By writ, &c.

WOOD. 19th March 1800.

2381. A grant unto JAMES WOOD, of Hart Street, in the parish of S^t Paul, Covent Garden, in the county of Middlesex, musical wind instrument maker, for his new invented improvement upon the musical instrument commonly called the clarionet, and which invention is also, as to part thereof, applicable to an improvement upon most of such other musical wind instruments as are played upon with keys; to hold to him, his exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westm^r, the 19th day of March, in the year above. By writ, &c.

JOHNSON. 19th March 1800.

2382. A grant unto WILLIAM JOHNSON, of Widmore House, in the parish of Bromley, in the county of Kent, esq^r, for his new invented machine, with new means of obtaining power in mechanical operations, of the nature of a self moving power or perpetual motion; to hold to him, his ex̃ors, adm̃ors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed, and also in the colonies and plantations abroad, for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westm^r, the 19^th day of March, in the year above. By writ, &^c.

HARDIE. 19th March 1800.

2383. A grant unto DAVID HARDIE, of S^t James's Street, in the parish of S^t James, in the county of Middlesex, for his new invented apparatus for weighing in a manner less liable to error and with greater expedition than by any of the modes of weighing hitherto used; to hold to him, his ex̃ors, adm̃ors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westm^r, the 19^th day of March, in the year above. By writ, &^c.

GLOVER. 24th March 1800.

2384. A grant unto JOHN GLOVER, of Great Lever, in the parish of Middleton, in the county of Lancaster, manufacturer, for his new invented method of bleaching linen cloth and other cloths; to hold to him, his ex̃ors, adm̃ors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within six calendar months from the date thereof. W. H. M. at West^r, the 24^th day of March, in the year above. By writ, &^c.

BERENGER. 31st March 1800.

2385. A grant unto CHARLES RANDOM BERENGER, of Old Bond Street, in the county of Middlesex, printseller, for his new invented method of printing and colouring transparencies, on silk, cotton, linen, and other wove manufacture for carriage and window blinds, screens, and other ornamental purposes; to hold to him, his ex̃ors, adm̃ors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westm^r, the 31^st day of March, in the year above. By writ, & .

BLACKMORE. 31st March 1800.

2386. A grant unto BENJAMIN BLACKMORE, of Wandsworth, in the county of Surry, bolting cloth weaver, for his new invented elastic spring, for the improvement and more compleat forming and manufacturing of bolting cloths without seams, to be used by millers for the dressing of flour; to hold to him, his ex̃ors, adm̃ors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westm^r, the 31^st day of March, in the year above. By writ, &^c.

SAVIGNY. 31st March 1800.

2387. A grant unto JOHN HORATIO SAVIGNY, of King Street, in the parish of S^t Paul, Covent Garden, in the county of Middlesex, surgeon's instrument maker, for his new invented improvement, to be used in surgical operations, called a "tourniquet"; to hold to him, his ex̃ors, adm̃ors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westm^r, the 31^st day of March, in the year above. By writ, &^c.

ANTES. 10th April 1800.

2388. A grant unto JOHN ANTES, of Fulnick, near Leeds, in the county of York, gent^n, for his new invented machine to turn over the leaves of any music book by means of a pedal, or a motion with the knee; to hold to him,

his exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westm^r, the 10^th day of April, in the year above.
By writ, &c.

Pocock. 23rd April 1800.

2389. A grant unto William Pocock, of the parish of Leyton, in the county of Essex, carpenter, for his new invented machine for raising, lowering, and moving heavy bodies; to hold to him, his exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westm^r, the 23^d day of April, in the year above. By writ, &c.

Collins. 23rd April 1800.

2390. A grant unto William Collins, of Greenwich, in the county of Kent, esq^r, for his new invented application of sundry articles and materials, to be used chiefly for the preservation of shipping, or marine purposes; to hold to him, his exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westm^r, the 23^d day of April, in the year above.
By writ, &c.

Richards. 26th April 1800.

2391. A grant unto James Richards, of Sheldon, in the county of Warwick, gent^n, for his new invented machine, or machines, for setting or depositing in the ground grain and seeds; to hold to him, his exors, admors, and assigns, within England, Wales, and the town of Berwick upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at at Westm^r, the 26^th day of April, in the year above. By writ, &c.

Koops. 28th April 1800.

2392. A grant unto Matthias Koops, of Queen Street, Ranelagh, in the county of Middlesex, gent^n, for his new invented mode of extracting printing and writing ink from printed and written paper, and converting the paper from which the ink is extracted into pulp; to hold to him, his exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within six calendar months from the date thereof. W. H. M. at Westm^r, the 28^th day of April, in the year above. By writ, &c.

Marshal. 29th April 1800.

2393. A grant unto John Marshal, of Gerrard Street, in the parish of S^t Ann, Soho, in the county of Middlesex, cabinet maker, for his new invented dining and other tables on an improved construction; to hold to him, his exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westm^r, the 29^th day of April, in the year above.
By writ, &c.

Darby. Nichols. 1st May 1800.

2394. A grant unto Robert Darby, of the parish of S^t James, in the city of Bath, bright smith, and Morgan Nichols, of the parish of Walcot, in the s^d city of Bath, surgeon, for his new invented method of making portable ovens in various sizes, forms, and shapes; to hold to them, their exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westm^r, the 1^st day of May, in the year above.
By writ, &c.

RAYBOULD. 1st May 1800.

2395. A grant unto WILLIAM RAYBOULD, of Great Sutton Street, in the parish of S^{t} James, Clerkenwell, in the county of Middlesex, brass founder, for his new invented candlestick, upon entire new principles, which will receive, and hold firm, candles of various sizes; to hold to him, his ex̃ors, adm̃ors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westm^{r}, the 1st day of May, in the year above. By writ, &^{c}.

GILLOW. 1st May 1800.

2396. A grant unto RICHARD GILLOW, of Oxford Street, in the county of Middlesex, cabinet maker, for his new invented improvements in the method of constructing dining and other tables; to hold to him, his ex̃ors, adm̃ors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed, and also in the colonies and plantations abroad, for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at West^{r}, the 1st day of May, in the year above. By writ, &^{c}.

FROSCHLE. 3rd May 1800.

2397. A grant unto GEORGE FROSCHLE, of Great Pulteney Street, in the parish of S^{t} James, Westm^{r}, in the county of Midd̃x, musical instrument maker, for his new invented improvements in the pedal harp; to hold to him, his ex̃ors, adm̃ors, & assigns, within England, Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at West^{r}, the 3^{d} day of May, in the year above. By writ, &^{c}.

MOORCROFT. 3rd May 1800.

2398. A grant unto WILLIAM MOORCROFT, of Oxford Road, in the county of Middlesex, vetrinarian surgeon, for his further new and improved method of making and manufacturing of horse shoes; to hold to him, his executors, adm̃ors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westm^{r}, the 3^{d} day of May, in the year above. By writ, &^{c}.

SIMPSON. ISBISTER. 8th May 1800.

2399. A grant unto EDWARD SIMPSON, of Lillypot Lane, in the city of London, straw hat manufacturer, and CALEB ISBISTER, of Banners Square, in the parish of Saint Luke, Old Street, in the county of Middlesex, cabinet maker, for their new invented and improved manufacture of straw plat made of split straw, presenting only the outside surface of the straw to the eye; and also of other plat of split straw, laid, put, or stuck upon silk, paper, or wood; to hold to them, their executors, administrators, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll same within one calendar month from the date thereof. W. H. M. at Westminster, the 8th day of May, in the year above. By writ, &^{c}.

WHITTON. 10th May 1800.

2400. A grant unto JOHN WHITTON, of the town and county of the town of Kingston-upon-Hull, merchant, for his new invention of a lead saccharum for the use of callico printers, and several other useful purposes; to hold to him, his executors, adm̃ors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll same within one calendar month from the date thereof. W. H. M. at Westminster, the 10th day of May, in the year above. By writ, &^{c}.

FRYER. FRYER. 13th May 1800.

2401. A grant unto ROBERT FRYER and SAMUEL FRYER, of Rastrick, in the parish of Halifax, in the county of York, woollen manufacturers, for their new invented mode of manufacturing the down or wool of seals by mixing it

with sheeps or lambs wool, & preparing it to be carded, roaved, and spun into yarn, which yarn will be capable of being wove into silk, linen, woollen, or cotton, into a cloth fit for garments; to hold to him, his exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll same within one calendar month from the date thereof. W. H. M. at Westmr, the 13th day of May, in the year above. By writ, &c.

MILNER. 15th May 1800.

2402. A grant unto WILLIAM MILNER, of Leeds, in the county of York, whitesmith, for his new invented method of making women's pattens; to hold to him, his exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll same within one calendar month from the date thereof. W. H. M. at Westmr, the 15th day of May, in the year above. By writ, &c.

DAVEY. 20th May 1800.

2403. A grant unto PETER DAVEY, of the parish of Christchurch, in the county of Surrey, coal merchant, for his new invented improved fuel; to hold to him, his executors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll same within one calendar month from the date thereof. W. H. M. at Westmr, the 20th day of May, in the year above. By writ, &c.

MEARES. 20th May 1800.

2404. A grant unto ROBERT MEARES, of Frome, in the county of Somerset, dyer, for his new invented machine for cutting standing corn, grass, and the like; to hold to him, his exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll same within one calendar month from the date thereof. W. H. M. at Westmr, the 20th day of May, in the year above. By writ, &c.

GOULD. 26th May 1800.

2405. A grant unto CHESTER GOULD, of the town of Rome, in the county of Oneida, in the state of New York, merchant, for his new invented instrument or log for ascertaining a ship's distance at sea; to hold to him, his executors, admors, & asss, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll same within one calendar month from the date thereof. W. H. M. at Westminster, the 26th day of May, in the year above. By writ, &c.

DE THIVILLE. 26th May 1800.

2406. A grant unto JOSEPH GASTON JOHN BAPTISTE DE THIVILLE, of Boulton Street, Piccadilly, in the county of Middlesex, gentleman, for his new invented lamp or light for lighting chambers, rooms, halls, &c; to hold to him, his executors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll same within one calendar month from the date thereof. W. H. M. at Westminstr, the 26th day of May, in the year above. By writ, &c.

ADAMS. 30th May 1800.

2407. A grant unto DUDLEY ADAMS, of Fleet Street, in the city of London, optician, for his new invented mode of rendering telescopes more portable than has hitherto been executed, upon an entire new principle, in tortoiseshell, horn, ivory, bone, &c; to hold to him, his executors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll same within one calendar month from the date thereof. W. H. M. at Westmr, the 30th day of May, in the year above. By writ, &c.

TURNER. 30th May 1800.

2408. A grant unto WILLIAM TURNER, of Penshurst, in the county of Kent, paper manufacturer, for his new invented machine, to be applied to and adopted in the construction of wheel carriages, for improving the principle and increasing the power of the draught, so as to reduce the quantity of active force necessary to be employed therein ; to hold to him, his exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll same within one calendar month from the date thereof. W. H. M. at Westmr, the 30th day of May, in the year above. By writ, &c.

WEEKES. 10th June 1800.

2409. A grant unto JOSEPH WEEKES, of Plympton Maurice, in the county of Devon, tanner, for his new invented apparatus or set of machinery for a tannery ; to hold to him, his exors, admors, and assigns, within England, Wales, and the town of Berwick for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westmr, the 10th day of June, in the year above. By writ, &c.

WYATT. 10th June 1800.

2410 A grant unto SAMUEL WYATT, of Chelsea College, in the county of Middlesex, architect, for his new invented method of making and constructing bridges, warehouses, and other buildings, without the use of wood as a necessary constituent part thereof, and with other advantages and improvements appertaining thereto ; to hold to him, his exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westmr, the 10th day of June, in the year above. By writ, &c.

JOHNSON. 10th June 1800.

2411. A grant unto WILLIAM JOHNSON, of Widmore House, in the parish of Bromley, in the county of Kent, esquire, for his new invented machine, with new means of obtaining power in mechanical operations, of the nature of a self moving power or perpetual motion, being the same invention for which he obtained former Letters Patent, dated the 19th day of March last, but which, from the circumstance of his being allowed but one calendar month to specify the same, could not so fully be done as is now to take place ; to hold to him, his exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within six calendar months from the date thereof. W. H. M. at Westmr, the 10th day of June, in the year above. By writ, &c.

PALMER. 13th June 1800.

2412. A grant unto EBENEZER PALMER, of the parish of St Mary Cole, Cheapside, in the city of London, for his new invented metallic hinge or chain, whereby the art of binding books is greatly aided and improved, particularly merchant account books ; to hold to him, his exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed, and also in the colonies and plantations abroad, for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westmr, the 13th day of June, in the year above. By writ, &c.

Note. This Patent was reseal'd on the 30th Decr following, on acct of specificon not being inroll'd in time, and the fees remitted.

TICKELL. 13th June 1800.

2413. A grant unto HENRY TICKELL, of Mansel Street, Whitechapel, brewer, for his new invented method of more effectually dissolving and extracting the virtues and preserving the essential oyl of hops, malt, and other vegetable substances used in brewing, distilling, &c ; to hold to him, his exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed, and also in the colonies and plantations abroad, for the term of

fourteen years pursuant to the statute; with a clause to inroll the same within six calendar months from the date thereof. W. H. M. at Westm^{r}, the 13th day of June, in the year above. By writ, &^{c}.

Note. This Patent was also reseal'd on the 31st Dec^{r} foll^{s}, on acc^{t} of the specific̃on not being inroll'd in time, and the fees remitted.

WELLER. 17th June 1800.

2414. A grant unto WILLIAM WELLER, of Cavendish Street, Cavendish Square, in the county of Middlesex, gent^{n}, for his new invented method of manufacturing, forming, making, and engraving copper plates, for printing policies to secure persons from loss of property of certain descriptions; to hold to him, his ex̃ors, adm̃ors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westm^{r}, the 17th day of June, in the year above. By writ, &^{c}.

SMART. 17th June 1800.

2415. A grant unto GEORGE SMART, of Camden Town, in the parish of S^{t} Pancras, in the county of Middlesex, timber merch^{t}, for his new invented method of combining masts, yards, bowsprits, &^{c}, hollow, so as to give them lightness and strength, and which invention may be applied to other useful purposes; to hold to him, his ex̃ors, adm̃ors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof W. H. M. at Westm^{r}, the 17th day of June, in the year above. By writ, &^{c}.

COOCH. 17th June 1800.

2416. A grant unto JOHN COOCH, of Harleston, in the county of Northampton, farmer, for his new invented machine for the purpose of winnowing or dressing of corn or grain, for the use of bread, cattle, or seed; to hold to him, his ex̃ors, adm̃ors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westm^{r}, the 17th day of June, in the year above. By writ, &^{c}.

FRYER. BENNETT. 20th June 1800.

2417. A grant unto ROBERT FRYER, of Rastrick, near Halifax, in the county of York, woolen manufacturer, and JAMES BENNETT, of Oldham Street, Manchester, in the county palatine of Lancaster, wool stapler, for their new invented method of manufacturing, cutting, dressing, dying, and finishing of cloth; to hold to them, their ex̃ors, adm̃ors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed, for the term of fourteen years pursuant to the statute; with a clause to inroll the same within six calendar months from the date thereof. W. H. M. at Westm^{r}, the 20th day of June, in the year above. By writ, &^{c}.

PATON. 24th June 1800.

2418. A grant unto THOMAS PATON, of Christchurch, in the county of Surry, engine maker and smith, for his new invented improvements in the construction of mills for grinding of sugar canes; to hold to him, his ex̃ors, adm̃ors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westm^{r}, the 24th day of June, in the year above. By writ, &^{c}.

HARRIS. 1st July 1800.

2419. A grant unto GEORGE HARRIS, of Banners Street, Bunhill Row, in the parish of S^{t} Luke, in the county of Middlesex, working goldsmith, for his new invented boxes, on an entire new principle, for snuffs, essences, &^{c}; to hold to him, his ex̃ors, adm̃ors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westm^{r}, the 1st day of July, in the year above. By writ, &^{c}.

ELWICK.
1st July 1800.

2420. A grant unto JOHN ELWICK, of Wakefield, in the county of York, upholder, for his new invented method of framing together chairs and sofa's of every kind, and which invention is intended to be applied to every description of household furniture ; to hold to him, his exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westm^r^, the 1^st^ day of July, in the year above. By writ, &c.

HUDDART.
1st July 1800.

2421. A grant unto JOSEPH HUDDART, esq^r^, of Islington, in the county of Middlesex, for his new invented improvements in the tarring and manufacturing of cordage ; to hold to him, his exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westm^r^, the 1^st^ day of July, in the year above. By writ, &c.

HOLLAND.
2nd July 1800.

2422. A grant unto GEORGE HOLLAND, of the parish of S^t^ Andrew, Holborn, in the county of Middlesex, hosier, for his new invented improvements in woolen yarn, worsted, silk, and various other kind of spun materials for the purpose of manufacture ; to hold to him, his exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within six calendar months from the date thereof. W. H. M. at Westm^r^, the 2^d^ day of July, in the year above. By writ, &c.

LOCKETT.
8th July 1800.

2423. A grant unto JOHN LOCKETT, of Donnington, in the county of Berks, linen manufacturer, for his new invented box and axletree for carriages of every description, and for lathes and grindstones, upon a new and improved construction ; to hold to him, his exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westm^r^, the 8^th^ day of July, in the year above. By writ, &c.

SMYTH.
16th July 1800.

2424. A grant unto THOMAS SMYTH, of Exeter, in the county of Devon, esquire, for his new invented method of preparing colours in cakes and powder, from logwood and other vegetable substances, for dying and painting ; to hold to him, his exors, admors, and assigns, within England, Wales, and town of Berwick-upon-Tweed, for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westm^r^, the 16^th^ day of July, in the year above. By writ, &c.

DENIZE.
16th July 1800.

2425. A grant unto JOHN BAPTISTE DENIZE, formerly of the city of Paris, but now residing in George Street, Portman Square, in the county of Middlesex, chymist, for his new invented cement for various purposes ; to hold to him, his exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westm^r^, the 16^th^ day of July, in the year above. By writ, &c.

HESSE.
24th July 1800.

2426. A grant unto EMANUEL HESSE, of the parish of S^t^ Mary-le-bone, in the county of Middlesex, gent^n^, for his new invented improvements on stirrups; to hold to him, his exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the

statute; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westm^r, the 24^th day of July, in the year above. By writ, &^c.

PENN. 24th July 1800.

2427. A grant unto THOMAS PENN, of the town of Nottingham, mechanic, for his new invented mode of sinking, locking up the jacks, pressing, drawing back the needle bar, and keeping up the jacks in frames, for the more simple and expeditious framework knitting of silk, thread, cotton, and worsted; to hold to him, his ex̃ors, adm̃ors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westm^r, the 24^th day of July, in the year above. By writ, &^c.

DE POGGI. 24th July 1800.

2428. A grant unto ANTHONY CESARI DE POGGI, of New Bond Street, in the county of Middlesex, artist, for his new invented improvements in the constructing and using of ordnance, to be employed both in the sea and land service; to hold to him, his ex̃ors, adm̃ors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within four calendar months from the date thereof. W. H. M. at Westm^r, the 24^th day of July, in the year above. By writ, &^c.

CUNDELL. 26th July 1800.

2429. A grant unto HENRY CUNDELL the younger, of the Minories, in the city of London, druggist, for his new invented composition, called "Cundell's myoctonus," for destroying of rats and other destructive vermin; to hold to him, his ex̃ors, adm̃ors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westm^r, the 26^th day of July, in the year above. By writ, &^c.

LITHERLAND. 31st July 1800.

2430. A grant unto PETER LITHERLAND, of Liverpool, in the county of Lancaster, watchmaker, for his new invented method of keeping in tune various musical instruments, by means of an apparatus; to hold to him, his ex̃ors, adm̃ors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within six calendar months from the date thereof. W. H. M. at Westm^r, the 31^st day of July, in the year above. By writ, &^c.

MEDHURST. 2nd August 1800.

2431. A grant unto GEORGE MEDHURST, of Battle Bridge, in the parish of S^t James, Clerkenwell, in the county of Middlesex, engineer, for his new invented method of driving carriages of all kinds without the use of horses; to hold to him, his ex̃ors, adm̃ors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westm^r, the 2^d day of August, in the year above. By writ, &^c.

LENA. 2nd August 1800.

2432. A grant unto INNOCENZO DELLA LENA, of Piccadilly, in the county of Middlesex, M.D. and surgeon, for his new invented medicine called flogistical and fixed earth of Mars, or powder of Mars, for the cure of various diseases; to hold to him, his ex̃ors, adm̃ors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. W. H.M. at Westm^r, the 2^d day of August, in the year above. By writ, &^c.

KOOPS.
2nd August 1800.

2433. A grant unto MATTHIAS KOOPS, of Queen Street, Ranelagh, in the county of Middlesex, gent^{n}, for his new invented method of manufacturing paper from straw, hay, thistles, waste and refuse of hemp and flax, and different kinds of wood and bark, fit for printing and other useful purposes; to hold to him, his ex̃ors, adm̃ors, and assigns, within England, Wales, and the town of Berwick upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within six cal^{r} months from the date thereof. W. H. M. at Westm^{r}, the 2^{d} day of August, in the year above. By writ, &^{c}.

REDDELL.
2nd August 1800.

2434. A grant unto ISAAC HADLEY REDDELL, of Birmingham, in the county of Warwick, for his new invented method of constructing carriages for the conveyance of merchandize, either by land or water, which carriages may be removed, either loaded or unloaded, from the land to the water or from the water to the land, with ease, expedition, and safety; to hold to him, his ex̃ors, adm̃ors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westm^{r}, the 2^{d} day of Aug^{t}, in the year above. By writ, &^{c}.

REDDELL.
2nd August 1800.

2435. A grant unto the above-named ISAAC HADLEY REDDELL, of Birmingham aforesaid, for his new invented method of making stirrups; to hold to him, his ex̃ors, adm̃ors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westm^{r}, the 2^{d} day of August, in the year above. By writ, &^{c}.

GILL.
2nd August 1800.

2436. A grant unto THOMAS GILL, of Birmingham aforesaid, for his new invented method of rifling the bores or calibre of cannon, and of musket, carbine, gun, and pistol barrels; to hold to him, his ex̃ors, adm̃ors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westm^{r}, the 2^{d} day of Aug^{t}, in the year above. By writ, &^{c}.

ROBERTON.
13th August 1800.

2437. A grant unto JOHN ROBERTON, engineer, in Tradestown, of Glasgow, and JAMES ROBERTON, engineer, copartners in trade, for their new invented method of applying steam in the working of steam engines, by which a great saving of fuel is obtained; and also for their new invented method of constructing furnaces for the application of fire to steam engine boilers and boilers of various descriptions; to hold to them, their ex̃ors, adm̃ors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within four calendar months from the date thereof. W. H. M. at Westm^{r}, the 13th day of August, in the year above. By writ, &^{c}.

SUTTON.
13th August 1800.

2438. A grant unto ROBERT SUTTON, of Barton-upon-Humber, in the county of Lincoln, clerk, for his new invented sails for a wind mill, on an improved construction, whose motion and power is regulated by gravitation; to hold to him, his ex̃ors, adm̃ors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westm^{r}, the 13th day of August, in the year above. By writ, &^{c}.

REDDELL.
13th August 1800.

2439. A grant unto ISAAC HADLEY REDDELL, of Birmingham, in the county of Warwick, for his new invented method of constructing travelling carriages, which are more safe and in many respects more eligible than those which are now in common use ; to hold to him, his exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westmr, the 13th day of Augt, in the year above. By writ, &c.

EGG.
21st August 1800.

2440. A grant unto JOSEPH EGG, of Great Windmill Street, in the parish of St James, in the city of Westminster, gunmaker, for his new invented method of bending steel without the assistance of heat, which may be applied to the manufacturing of surgical instruments and to a variety of other useful purposes ; to hold to him, his exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westmr, the 21st day of Augt, in the year above. By writ, &c.

BATLEY.
11th Sept. 1800.

2441. A grant unto BENJAMIN BATLEY, of the parish of Streatham, in the county for Surry, merchant, for his new invented method of curing and preserving herrings and sprats ; to hold to him, his exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inrol the same within six calendar months from the date thereof. W. H. M. at Westminster, the 11th day of September, in the year above. By writ, &c.

HITCHCOCK.
15th Sept. 1800.

2442. A grant unto JAMES HITCHCOCK, of Kirby Street, Hatton Garden, in the parish of Saint Andrew, Holborn, gentleman, for his new invented art or method of changing and converting skins of parchment and vellum into leather, and making such leather water proof ; to hold to him, his exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inrol the same within one calendar month from the date thereof. W. H. M. at Westmr, the 15th day of Septr, in the year above. By writ, &c.

PLENTY.
18th October 1800.

2443. A grant unto WILLIAM PLENTY, of the town of Southampton, carpenter, for his new invented pump, and a plough upon an improved construction ; to hold to him, his exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inrol the same within one calendar month from the date thereof. W. H. M. at Westmr, the 18th day of October, in the year above. By writ, &c.

BOWMAN.
21st October 1800.

2444. A grant unto THOMAS BOWMAN, of New Bond Street, in the parish of Saint George, Hanover Square, in the county of Middlesex, peruke maker, for his new invented method of making perruques or wigs with fastenings made of a certain elastic compressed steel spring or springs, and also with other flat springs or wires made of steel for the closer adhesion of the points and wiskers to the head and face ; to hold to him, his exors, admors, & assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inrol the same within one calendar month from the date thereof. W. H. M. at Westminster, the 21st day of October, in the year above. By writ, &c.

BINNS.
27th October 1800.

2445. A grant unto THOMAS BINNS, of Great Barlow Street, in the parish of St Mary-le-bone, in the county of Middlesex, water closet maker, for his new invented method of applying heat for the purpose of melting and manufactur-

ing animal fat and a variety of other solid substances; to hold to him, his exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westmr, the 27th day of Octr, on the year above.

By writ, &c.

HAWKINS. 13th Nov. 1800.

2446. A grant unto ISAAC HAWKINS, of Glossop, in the county of Derby, for his new invention applicable to musical instruments, the principles of which are also designed to be applied to other machinery; to hold to him, his exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westmr, the 13th day of Novr, in the year above.

By writ, &c.

MUSHET. 13th Nov. 1800.

2447. A grant unto DAVID MUSHET, of the city of Glasgow, gentn, for his new invented processes applicable to metallurgy, or the manufacturing of metal or metals, not only from their metallic state or states to the completion of the various articles or utensils usually made of such metal or metals, but also from the state of the ore into their metallic state or states in bars, ingots, or otherwise; to hold to him, his exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant tothe statute; with a clause to inroll the same within four calendar months from the date hereof. W. H. M. at Westmr, the 13th day of Novr, in the year above. By writ, &c.

POTTS. 15th Nov. 1800.

2448. A grant unto JAMES POTTS, of Belford, in the county of Northumberland, clock and watch maker, for his new invented artificial leg and arm, upon a new or improved construction; to hold to him, his exors, admors, and assigns, within England, Wales, and the town of Berwick upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westmr, the 15th day of Novr, in the year above. By writ, &c.

TURNBULL. 15th Nov. 1800.

2449. A grant unto JOHN TURNBULL junr, of Cordale Printfield, in the county of Dumbarton, North Britain, callico printer, for his new invented processes or improvements of processes and apparatus applicable to the bleaching or whitening, and to the purifying, washing, and cleansing of cotton, flax, hemp, silk, and wool, and to the purifying of goods of every description made or manufactured of cotton, flax, hemp, silk, and wool; to hold to him, his exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within six calendar months from the date thereof. W. H. M. at Westmr, the 15th day of Novr, in the year above.

By writ, &c.

WHITE. SMETHURST. 15th Nov. 1800.

2450. A grant unto JOHN WHITE, of the parish of St Paul, Covent Garden, in the county of Middlesex, tin plate worker, and JAMES SMETHURST, of St Margarets Hill, Southwark, in the county of Surry, tin plate worker, for their new invented lamp burner; to hold to them, their exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inrol the same within one calendar month from the date thereof. W. H. M. at Westmr, the 15th day of Novr, in the year above. By writ, &c.

GRYLLS. 15th Nov. 1800.

2451. A grant unto THOMAS GRYLLS, of Launceston, in the county of Cornwall, for his new invented stop cock for barrels and other vessels, which prevents the wasting of liquor; to hold to him, his exors, admors, and assigns,

within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westm^{r}, the 15th day of Nov^{r}, in the year above. By writ, &^{c}.

SIGMOND. 20th Nov. 1800.

2452. A grant unto JOSEPH SIGMOND, of Bath, in the county of Somerset, surgeon dentist, for his new invented preservative lotion and dentifrice, which he calls the British imperial lotion and dentifrice, for preserving and beautifying the teeth and gums; to hold him, his ex̃ors, adm̃ors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westm^{r}, the 20th day of Nov^{r}, in the year above. By writ, &^{c}.

HOOPER. 4th Dec. 1800.

2453. A grant unto STEPHEN HOOPER, of Margate, in the Isle of Thanet and county of Kent, gent^{n}, for his new invented method, by means of certain machinery, of cleansing and deepening dry harbours, rivers, creeks, &^{c}, part of which machinery may be applied to other useful purposes; to hold to him, his ex̃ors, adm̃ors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westm^{r}, the 4th day of Dec^{r}, in the year above. By writ, &^{c}.

PROSSER. 9th Dec. 1800.

2454. A grant unto JOHN PROSSER, of Charing Cross, in the parish of S^{t} Martin-in-the-Fields, in the county of Middlesex, sword cutler, for his new invented water proof pan and hammer for gun and pistol locks, and also a breech for gun and pistol barrels, for the purpose of a quicker and more forcible explosion of gun powder; to hold to him, his ex̃ors, adm̃ors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed, and also in the colonies and plantations abroad, for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westm^{r}, the 9th day of Dec^{r}, in the year above. By writ, &^{c}.

PLAYFAIR. LE FARRE. 12th Dec. 1800.

2455. A grant unto WILLIAM PLAYFAIR, of Great Brook Street, Fitzroy Square, in the county of Middlesex, gent^{n}, and NICHOLAS LE FARRE, of Still Organ, near Dublin, in Ireland, but now residing in George Yard, Lombard Street, in the city of London, esq^{r}, for their new invented improvements in naval architecture, whereby vessels of all burdens may be enabled to sail faster than they now do, particularly in a heavy sea; to hold to them, their ex̃ors, adm̃ors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westm^{r}, the 12th day of Dec^{r}, in the year above. By writ, &^{c}.

EYRE. 13th Dec. 1800.

2456. A grant unto JOSEPH EYRE, of Sheffield, in the county of York, wood turner, for his new invented method or process of impressing the japan upon ornamented handles or scales of knives, forks, razors, and other cutlery ware made of wood, paper, &^{c}, in imitation of handles made of tip or horn; to hold to him, his ex̃ors, adm̃ors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westm^{r}, the 13th day of Dec^{r}, in the year above. By writ, &^{c}.

GIBBON. 17th Dec. 1800.

2457. A grant unto MARTHA GIBBON, of King Street, in the parish of S^{t} Paul, Covent Garden, in the county of Middlesex, dress maker, for her new invented stay for women and others ; to hold to her, her ex̃ors, adm̃ors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westm^{r}, the 17th day of Dec^{r}, in the year above. By writ, &c.

GOULD. 17th Dec. 1800.

2458. A grant unto CHESTER GOULD, late of Rome, in the county of Oneida, in the state of New York, but now of Red Lion Street, Clerkenwell, in the county of Middlesex, merch^{t}, for his additional new invented improvements to his new instrument or log for ascertaining a ship's distance at sea, for which he obtained former Letters Patent in May last ; to hold to him, his ex̃ors, adm̃ors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within six calendar months from the date thereof. W. H. M. at Westm^{r}, the 17th day of Dec^{r}, in the year above. By writ, &c.

DUXBURY. 17th Dec. 1800.

2459. A grant unto JAMES DUXBURY, of Manchester, in the county of Lancaster, calico printer, for his new invented machine or instrument to print distant sprigs or spots on calico, cotton stuffs, linen, silk, satin, cloth, woollen baize, or leather, in a more compleat & expeditious manner than has been hitherto used, denominated a double copper cylinder and copper plate ; to hold to him, his ex̃ors, adm̃ors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westm^{r}, the 17th day of Dec^{r}, in the year above. By writ, &c.

WARD. 30th Dec. 1800.

2460. A grant unto JOHN SHARRER WARD, of Bruton, in the county of Somerset, silk throwster, for his new invented machine, upon new and improved principles, for the purpose of doubling either silk, cotton, flax, hemp, worsted yarn, or other thread; to hold to him, his ex̃ors, adm̃ors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westm^{r}, the 30th day of Dec^{r}, in the year above. By writ, &c.

GRACE. 30th Dec. 1800.

2461. A grant unto THOMAS GRACE, of Neat House, in the parish of S^{t} George, Hanover Square, in the county of Middlesex, white lead maker, for his new invented method of making an acid for corroding lead and for other purposes; and also a new method of preparing and making white lead, either with or without the said acid ; to hold to him, his ex̃ors, adm̃ors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed, for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westm^{r}, the 30th day of Dec^{r}, in the year above. By writ, &c.

HUDLESTON. 30th Dec. 1800.

2462. A grant unto LAWSON HUDLESTON, of Shaftesbury, in the county of Dorset, esquire, for his new invented method of conveying boats or barges from a higher level to a lower, and vice versâ, on canals, &c ; to hold to him, his ex̃ors, adm̃ors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westm^{r}, the 30th day of Dec^{r}, in the year above. By writ, &c.

WILKES.
JEWSBURY.
16th Jan. 1801.

2463. A grant unto JOSEPH WILKES, of Measham, in the county of Derby, esq^{r}, and THOMAS JEWSBURY, of Measham, aforesaid, cotton manufacturer, for their new invented method of making paste, to be used in weaving and sizing of callico, and for pasting paper, &^{c}; to hold to them, their ex̃ors, adm̃ors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westm^{r}, the 16th day of Jañry, in the year above. By writ, &^{c}.

STEVENS.
WHITE.
16th Jan. 1801.

2464. A grant unto JOHN STEVENS and THOMAS ANGELL WHITE, both of Plymouth, in the county of Devon, coal factors, for their new invented method of making bricks; to hold to them, their ex̃ors, adm̃ors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westm^{r}, the 16th day of Jañry, in the year above. By writ, &^{c}.

BATLEY.
20th Jan. 1801.

2465. A grant unto BENJAMIN BATLEY, of the parish of Streatham, in the county of Surry, merchant, for his further new invented method of curing and preserving herrings and sprats, which will also extend to the curing and preserving of other fish; to hold to him, his ex̃ors, adm̃ors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within six calendar months from the date thereof. W. H. M. at Westm^{r}, the 20th day of Jañry, in the year above. By writ, &^{c}.

VAZIE.
23rd Jan. 1801.

2466. A grant unto ROBERT VAZIE, of Downs Street, Piccadilly, in the parish of S^{t} George-in-the-West, in the county of Middlesex, gent^{n}, for their new invented improvement in the constructing, construction, and application of a gun, by means of removing the touchhole from the side to the centre of the but end of the barrel, and forming therefrom a cylindrical communication, &^{c}; to hold to him, his ex̃ors, adm̃ors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westm^{r}, the 23^{d} day of Jañry, in the year above. By writ, &^{c}.

MEDHURST.
27th Jan. 1801.

2467. A grant unto GEORGE MEDHURST, of the parish of S^{t} James, Clerkenwell, in the county of Middlesex, engineer, for his new invented compound crank for changing a circular motion into a rectilinear one, and vice versâ, which is applicable to various mechanical purposes; to hold to him, his ex̃ors, adm̃ors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westminster, the 27th day of Jañry, in the year above. By writ, &^{c}.

LONGMAN.
27th Jan. 1801.

2468. A grant unto JOHN LONGMAN, of Penton Street, Pentonville, in the parish of S^{t} James, Clerkenwell, in the county of Middlesex, organ builder, for his new invented improvements in the construction of barrel organs, to prevent them from getting out of order; and that another musical instrument or instruments may be internally united or attached thereto, and made to play with the same barrel; to hold to him, his ex̃ors, adm̃ors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westm^{r}, the 27th day of Jañry, in the year above. By writ, &^{c}.

PARKER. TELFER. AFLECK. 3rd Feb. 1801.

2469. A grant unto THOMAS PARKER, of Broomward, near Glasgow, in North Britain, esq^r, and WILLIAM TELFER and ALEXANDER AFLECK, of Glasgow afs^d, mathematical instrument makers, for their new invented improvements in preparing and manufacturing of flax, hemp, silk, and other materials; to hold to them, their ex̃ors, adm̃ors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within six calendar months from the date thereof. W. H. M. at Westm^r, the 3^d day of February, in the year above. By writ, &^c.

YOUNG. 3rd Feb. 1801.

2470. A grant unto ROBERT YOUNG, of the city of Bath, in the county of Somerset, ironmonger, for his new invented and improved fire stove or grate; to hold to him, his ex̃ors, adm̃ors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westm^r, the 3^d day of Feb^y, in the year above. By writ, &^c.

CARTWRIGHT. 5th Feb. 1801.

2471. A grant unto EDMUND CARTWRIGHT, of the parish of S^t Mary-le-bone, in the county of Middlesex, clerk, M.A., for his new invented improvements in the framing, combining, and organizing the parts and mechanism of steam engines, so as to make them more commodious and portable; and also in the mode of regulating their velocities, and in lessening the waste of power; to hold to him, his ex̃ors, adm̃ors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westm^r, the 5^th day of Feb^y, in the year above. By writ, &^c.

THIVILLE. 5th Feb. 1801.

2472. A grant unto JOSEPH GASTON JOHN BAPTISTE Count de THIVILLE, of Piccadilly, in the county of Middlesex, for his new invented method of giving an independent moving power to all machines by means of hydraulic engines; and also of constructing and employing separately several of their parts, such as wheels, pistons, and apparatus for reducing friction, upon new principles; to hold to him, his ex̃ors, adm̃ors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westm^r, the 5^th day of Feb^y, in the year above. By writ, &^c.

POWER. 5th Feb. 1801.

2473. A grant unto JAMES POWER, of S^t Edmunds Bury, in the county of Suffolk, for his new invented portable oven, on a new or improved construction; to hold to him, his ex̃ors, adm̃ors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westm^r, the 5^th day of Feb^y, in the year above. By writ, &^c.

ANDERSON. 10th Feb. 1801.

2474. A grant unto JAMES ANDERSON, of Mounie, in the shire of Aberdeen, doctor of laws, for his new invented method of economising fuel in the heating of houses, and for improving the construction of hothouses; to hold to him, his ex̃ors, adm̃ors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within six calendar months from the date thereof. W. H. M. at Westm^r, the 10^th day of Feb^y, in the year above. By writ, &^c.

WELDON. 10th Feb. 1801.

2475. A grant unto JAMES WELDON, of the city of Litchfield, engineer, for his further new invented machine or mill for grinding bark and various other articles, for which he obtained former Letters Patent in January 1798 ; and which machine or mill, so improved, may be applied to several other useful purposes ; to hold to him, his exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westmr, the 10th day of Feby, in the year above. By writ, &c.

JOHNSON. 10th Feb. 1801.

2476. A grant unto WILLIAM JOHNSON, of Widmore House, Bromley, in the county of Kent, gent., for his new invented machine, which has the principle of its motion within itself, denominated the perpetual motion, or mechanical self-moving power ; to hold to him, his exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within six calendar months from the date thereof. W. H. M. at Westmr, the 10th day of Feby, in the year above. By writ, &c.

SCOTT. 10th Feb. 1801.

2477. A grant unto RICHARD SCOTT, of Chapel House, in the county of Sussex, lieutenant-colonel in the service of the Honble East India Compy, for his new invented method of preserving papers and other property from being injured by fire ; to hold to him, his exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within six calendar months from the date thereof. W. H. M. at Westmr, the 10th day of Feby, in the year above. By writ, &c.

BRUNEL. 10th Feb. 1801.

2478. A grant unto MARC ISAMBARD BRUNEL, of Bedford Street, Bedford Square, in the county of Middx, gent., for his new invented machine for cutting one or more mortices, forming the sides of, and cutting the pinhole of the shells of blocks, &c ; to hold to him, his exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westmr, the 10th day of February, in the year above. By writ, &c.

WILDE. 17th Feb. 1801.

2479. A grant unto WILLIAM WILDE, of West Leake, in the county of Nottingham, farmer and grazier, for his new invented and improved machinery or apparatus, to be attached or annexed to harrows, whereby those implements of husbandry will execute their work to much greater advantage than by any mode hitherto practised ; to hold to him, his exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westmr, the 17th day of Feby, in the year above. By writ, &c.

LESTER. 17th Feb. 1801.

2480. A grant unto WILLIAM LESTER, of Cotton End, in the parish of Hardingstone, in the county of Northampton, patent harrow and chaff engine manufacturer, for his further new improvements upon an engine or machine for cutting hay and straw into chaff, for which he obtained former Letters Patent ; to hold to him, his exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westmr, the 17th day of Feby, in the year above. By writ, &c.

KOOPS. 17th Feb. 1801.

2481. A grant unto MATTHIAS KOOPS, of James Street, in the parish of S^{t} Margaret's, Westminster, in the county of Middlesex, gent^{n}, for his new invented method of manufacturing paper from straw, hay, thistles, waste and refuse of hemp and flax, and different kinds of wood and bark ; to hold to him, his ex̃ors, adm̃ors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within twelve calendar months from the date thereof. W. H. M. at Westm^{r}, the 17th day of Feb^{y}, in the year above.

By writ, &^{c}.

BENNOCH. 17th Feb. 1801.

2482. A grant unto JOHN BENNOCH, late of the parish of Sanquhar, in the county of Dumfries, in North Britain, but now of Liverpool, in the county of Lancaster, merchant, for his new invented method or machine for making nails, bolts, rods, watch springs, clock springs, and metal plates ; to hold to him, his ex̃ors, adm̃ors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within six calendar months from the date thereof. W. H. M. at Westm^{r}, the 17th day of Feb^{y}, in the year above.

By writ, &^{c}.

PLUCKNETT. 26th Feb. 1801.

2483. A grant unto THOMAS JAMES PLUCKNETT, of Deptford, in the county of Kent, gent., for his new invented improvements on capstans and wind lasses, for ships and other purposes ; to hold to him, his ex̃ors, adm̃ors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed, and also in the colonies and plantations abroad, for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within one calendar months from the date thereof. W. H. M. at Westm^{r}, the 26th day of Feb^{y}, in the year above. By writ, &^{c}.

GIBSON. 26th Feb. 1801.

2484. A grant unto ROBERT GIBSON, of the Adelphi, in the county of Middlesex, wharfinger, for his new invented windlass, upon an improved construction, which may be applied to ships and other useful purposes ; to hold to him, his ex̃ors, adm̃ors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westm^{r}, the 26th day of Feb^{y}, in the year above.

By writ, &^{c}.

YOUNG. 16th March 1801.

2485. A grant unto ANN YOUNG, of S^{t} James's Square, in the city of Edinburgh, for her new invented apparatus, consisting of an oblong square box, which, when opened, presents two faces or tables, and of various dice, pins, counters, &^{c}, contained within the same, by means of which six different games may be played ; which, besides being amusing and interesting, and such as children of eight years old may be taught to play, are at the same time an improving exercise upon, and serve to render familiar and to impress upon the memory, the fundamental principles of the science of music, particularly all the keys or modulations, major and minor, both with common and uncommon signatures, musical intervals, cords, discords, with their resolutions and the most useful rules of thorough base ; to hold to her, her ex̃ors, adm̃ors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westm^{r}, the 16th day of March, in the year above. By writ, &^{c}.

LENZ. 27th March 1801.

2486. A grant unto GOTTLOB FREDERIC LENZ, of Homerton, in the county of Middlesex, tanner, for his new invented method of constructing tan pitts for tanning hides and skins, and for striking hides by machinery ; to hold to him, his ex̃ors, adm̃ors, and assigns, within England, Wales,

and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westmr, the 27th day of March, in the year above. By writ, &c.

GAMBLE. 20th April 1801.

2487. A grant unto JOHN GAMBLE, of Leicester Square, in the county of Middlesex, for his new invented machine for making paper in single sheets, without seam or joinings, from one to twelve feet and upwards wide, and from one to forty-five feet and upwards in length; to hold to him, his exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within six calendar months from the date thereof. W. H. M. at Westmr, the 20th day of April, in the year above. By writ, &c.

BINNS. 23rd April 1801.

2488. A grant unto THOMAS BINNS, of Great Barlow Street, in the parish St Mary-le-Bone, in the county of Middlesex, for his new invented method of manufacturing candles of wax, spermaceti, tallow, or any other solid inflammable substance; to hold to him, his exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westmr, the 23d day of April, in the year above. By writ, &c.

WRIGHT. 25th April 1801.

2489. A grant unto THOMAS WRIGHT, of Mark Lane, in the city of London, broker, for his new improved method of making hand stone corn mills, for the purpose of grinding wheat and other grain into flour; to hold to him, his exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westmr, the 25th day of April, in the year above. By writ, &c.

BICKNELL. 28th April 1801.

2490. A grant unto WILLIAM BICKNELL, of the parish of St George, Hanover Square, in the county of Middlesex, hosier, for his new and improved method of covering felt, for the making of caps and helmets, and for various other useful purposes; to hold to him, his exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westmr, the 28th day of April, in the year above. By writ, &c.

ACKERMANN. CUTTEAN. 28th April 1801.

2491. A grant unto RUDOLPH ACKERMANN, of the Strand, in the county of Middlesex, printseller, and PETER JAMES CUTTEAN, of Bucklersbury, in the city of London, merchant, for their new improved method of rendering all sorts of woollen cloths, cotton, linen, silk, hats, paper, and other manufactures and substances, perfectly water proof, and so as to be used on all occasions where a power of repelling rain, wet, or moisture may be required; to hold to him, his exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within six calendar months from the date thereof. W. H. M. at Westmr, the 28th day of April, in the year above. By writ, &c.

WARING. 28th April 1801.

2492. A grant unto GEORGE WARING, of Buntingford, in the county of Herts, for his new invented method of making soap of a peculiar quality; to hold to him, his exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to

the statute ; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westm^r, the 28^th day of April, in the year above. By writ, &c.

WILLCOX. 30th April 1801.

2493. A grant unto RICHARD WILLCOX, of the city of Bristol, engineer, for his new invented improvements upon the fire or steam engine and furnace ; to hold to him, his ex̃ors, adm̃ors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westm^r, the 30^th day of April, in the year above. By writ, &c.

WILSON. 30th April 1801.

2494. A grant unto WILLIAM WILSON, of the city of Edinburgh, for his new invented method of making, adjusting, and stamping scale weights; to hold to him, his ex̃ors, adm̃ors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westm^r, the 30^th day of April, in the year above. By writ, &c.

TICKELL. 2nd May 1801.

2495. A grant unto HENRY TICKELL, of Mansel Street, in the parish of S^t Mary, Whitechapel, in the county of Middlesex, brewer, for his new invented apparatus or refrigerator, for more speedily and effectually cooling the worts and other fermented, fermentable, or other liquors, or melted or dissolved animal or vegetable substances, manufactured, made, or used by or in the processes of brewers, distillers, vinegar makers, soap makers, sugar refiners, chymists, or other manufacturers of articles of a similar nature or using similar processes ; to hold to him, his ex̃ors, adm̃ors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within six calendar months from the date thereof. W. H. M. at Westm^r, the 2^d day of May, in the year above. By writ, &c.

EDWARDS. 2nd May 1801.

2496. A grant unto JOHN EDWARDS, of Chelsea, in the parish of S^t George, Hanover Square, in the county of Middlesex, gent^n, for his new invented collars for horses to draw by, on an improv'd construction ; to hold to him, his ex̃ors, adm̃ors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westm^r, the 2^d day of May, in the year above. By writ, &c.

PRITCHARD. WILLMORE. 2nd May 1801.

2497. A grant unto WILLIAM PRITCHARD, of Shrewsbury, in the county of Salop, hatter, and THOMAS WILLMORE, of Birmingham, in the county of Warwick, japanner, for his new invented article for hats, soldiers caps, helmets, &c ; to hold to him, his ex̃ors, adm̃ors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westm^r, the 2^d day of May, in the year above. By writ, &c.

CHIFNEY. 2nd May 1801.

2498. A grant unto BARKER CHIFNEY, of the city of London, gent^n, for his new invented and improved method of preparing and laying diamond and other slates for covering houses and other buildings, and preparing slates for other purposes; to hold to him, his ex̃ors, adm̃ors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within six calendar months from the date thereof. W. H. M. at Westm^r, the 2^d day of May, in the year above. By writ, &c.

CHIRM. 12th May 1801.

2499. A grant unto JOSEPH CHIRM, of Birmingham, in the county of Warwick, pump maker, for his new invented machine, on an improved construction, for the purpose of boring timber for pumps, water pipes, and other purposes ; to hold to him, his exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westmr, the 12th day of May, in the year above. By writ, &c.

WALKER. 12th May 1801.

2500. A grant unto EDWARD WALKER, of Rathbone Place, in the parish of St Mary-le-Bone, in the county of Middlesex, vintner, for his new invented portable stove or kitchen, for the purpose of dressing and cooking victuals ; to hold to him, his exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westmr, the 12th day of May, in the year above. By writ, &.

HASE. 14th May 1801.

2501. A grant unto WILLIAM HASE, of Saxthorpe, in the county of Norfolk, engineer, for his new invented steam engine, on an improved construction, by which a considerable reduction will be made in the consumption of coals ; to hold to him, his exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westmr, the 14th day of May, in the year above. By writ, &c.

ERARD. 16th May 1801.

2502. A grant unto SEBASTIAN ERARD, of Great Marlborough Street, in the parish of St James, Westminster, and county of Middlesex, musical instrument maker, for his new invented improvements in the construction of harps and piano fortes ; to hold to him, his exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westmr, the 16th day of May, in the year above. By writ, &c.

INGLIS. 21st May 1801.

2503. A grant unto WALTER INGLIS, of Chelmsford, in the county of Essex, sadler, for his new invented method of forming and making a saddle upon a new and improv'd construction ; to hold to him, his exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westmr, the 21st day of May, in the year above. By writ, &c.

GLAZEBROOK. 21st May 1801.

2504. A grant unto JAMES GLAZEBROOK, of Coalbrook Dale, in the county of Salop, engineer, for his further new invented improvements upon the methods of working and giving powers to machinery by means of the properties of airs, which methods were originally invented by him and for which he obtained former Letters Patent; to hold to him, his exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within four calendar months from the date thereof. W. H. M. at Westmr, the 21st day of May, in the year above. By writ, &c.

BAGNALL. 21st May 1801.

2505. A grant unto THOMAS BAGNALL, of Worsley, in the parish of Eccles, in the county of Lancaster, gentn, for his new invented mill or machine to chop bark, grind, riddle, and pound it, to beam or work green hides and skins out of the mastering or drench, and making them ready and fitting for the ouse or bark liquor ; to hold to him, his exors, admors, and assigns, within

England, Wales, and the town of Berwick upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westm^r, the 21^st day of May, in the year above. By writ, &c.

WAKEFIELD. 2nd June 1801.

2506. A grant unto THOMAS WAKEFIELD, of Northwich, in the county of Chester, esquire, for his new invented method of refining sugar ; to hold to him, his exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westm^r, the 2^d day of June, in the year above. By writ, &c.

WINTER. 2nd June 1801.

2507. A grant unto THOMAS WINTER, of Shacklewell, in the county of Middlesex, gent^n, for his new invented manufacture for covering the floors of rooms, also for covering and packing goods and merchandizes, and fit to be used for various other purposes ; to hold to him, his exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westm^r, the 2^d day of June, in the year above. By writ, &c.

HOWARD. 2nd June 1801.

2508. A grant unto THOMAS HOWARD, late of Manchester, in the county of Lancaster, but now of Leeds, in the county of York, soap boiler, for his new invented method of making a British barilla and potash, and of obtaining a greater quantity of alkali than hitherto discovered ; to hold to him, his exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westm^r, the 2^d day of June, in the year above. By writ, &c.

LONGMORE. 2nd June 1801.

2509. A grant unto JOSIAH LONGMORE, of Birmingham, in the county of Warwick, gun lock maker, for his new invented patten or clog ; to hold to him, his exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westm^r, the 2^d day of June, in the year above. By writ, &c.

GUEST. 2nd June 1801.

2510. A grant unto THOMAS ROBERT GUEST, of Portsmouth, in the county of Hants, artist, for his new invented boxes, of a new and improved construction, of various forms and sizes, to contain certain new and improved materials, and other necessary articles for drawing and painting; likewise an entire new and improved method of arranging, on scientific principles, the colours to be contained in the said boxes ; to hold to him, his exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed, and also in the colonies and plantations abroad, for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westm^r, the 2^d day of June, in the year above. By writ, &c.

LANE. 5th June 1801.

2511. A grant unto TIMOTHY LANE, of Lincolns Inn Fields, in the county of Middlesex, late of Aldersgate Street, London, apothecary, for his new invented measuring glasses for compounding medicines ; to hold to him, his exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within one cal^r month from the date thereof. W. H. M. at Westm^r, the 5^th day of June, in the year above. By writ, &c.

SMITH.
TODD.
5th June 1801.

2512. A grant unto EGERTON SMITH, of Liverpool, in the county of Lancaster, stationer, and THOMAS TODD, of Liverpool afs[d], organ builder, for their new invented method of tuning and keeping in tune musical and string instruments in general; to hold to them, their ex̃ors, adm̃ors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westm[r], the 5[th] day of June, in the year above. By writ, &[c].

CHAPMAN.
5th June 1801.

2513. A grant unto WILLIAM CHAPMAN, of Newcastle-upon-Tyne, gent[n], for his new invented application of certain substances, either separately or combined, as a preservative for cordage; to hold to him, his ex̃ors, adm̃ors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westm[r], the 5[th] day of June, in the year above. By writ, &[c].

BARTLETT.
18th June 1801.

2514. A grant unto THOMAS BARTLETT, of Boston, in the state of Masachusetts, in North America, but at present residing in Threadneedle Street, in the city of London, for his new invented improvements in the construction of elastic trusses for ruptures; to hold to him, his ex̃ors, adm̃ors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calend[r] month from the date thereof. W. H. M. at Westm[r], the 18[th] day of June, in the year above. By writ, &[c].

SELLER.
18th June 1801.

2515. A grant unto WILLIAM SELLER, of Piccadilly, in the county of Middlesex, gent[n], for his new improv'd apparatus of machinery for the purpose of diminishing friction, and communicating a direct rotatory motion from one wheel to another by means of cranks, which he calls alternate relieving cranks, applicable to wind or water drainage mills, or those for raising water for irrigation, and various other useful purposes; to hold to him, his ex̃ors, adm̃ors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calend[r] month from the date thereof. W. H. M. at Westm[r], the 18[th] day of June, in the year above. By writ, &[c].

LENZ.
18th June 1801.

2516. A grant unto GOTTLOB FREDERIC LENZ, of Homerton, in the county of Middlesex, tanner, for his new invented method of constructing tan pitts for the tanning of hides and skins, and for striking hides by machinery; to hold to him, his ex̃ors, adm̃ors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westm[r], the 18[th] day of June, in the year above. By writ, &[c].

Note. The fees on this Patent were remitted, on acc[t] of the former one, seal'd the 27[th] March last, not being inroll'd in due time.

SPENCER.
20th June 1801.

2517. A grant unto JOHN SPENCER, of the parish of Duffield, in the county of Derby, nail master, for his new invented method of making horse shoe nails; to hold to him, his ex̃ors, adm̃ors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calend[r] month from the date thereof. W. H. M. at Westm[r], the 20[th] day of June, in the year above. By writ, &[c].

SENEFELDER.
20th June 1801.

2518. A grant unto JOHN ALOYSIUS SENEFELDER, of Gould Square, in the parish of S[t] Olave, Hart Street, in the city of London, gent[n], for his new

invented method and process of performing the various branches of the art of printing on paper, linen, cotton, woollen, and other articles ; to hold to him, his exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within one calendr month from the date thereof. W. H. M. at Westmr, the 20th day of June, in the year above.
By writ, &c.

BOLTON. 23rd June 1801.

2519. A grant unto WILLIAM BOLTON, esqr, captain in the royal navy, for his new invented rudder, and the means of preserving the same ; to hold to him, his exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed, for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westmr, the 23d day of June, in the year above.
By writ, &c.

WITHERBY. 23rd June 1801.

2520. A grant unto THOMAS WITHERBY, of Enfield, in the county of Middlesex, gentn, for his new invented and improv'd pump, and method of working machinery ; to hold to him, his exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within three calendar months from the date thereof. W. H. M. at Westmr, the 23d day of June, in the year above. By writ, &c.

HOLEMBERG. 24th June 1801.

2521. A grant unto SAMUEL HOLEMBERG, of Silver Street, Bridgewater Square, in the city of London, goldsmith, for his new invented locks and fastenings, for general uses, on a new and improv'd construction ; to hold to him, his exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within one calendr month from the date thereof. W. H. M. at Westmr, the 24th day of June, in the year above.
By writ, &c.

STRATTON. 26th June 1801.

2522. A grant unto GEORGE STRATTON, of Blackfryars Road, in the parish of St George, Southwark, in the county of Surry, ironmonger, for his new invented improvements in machines for cooking and fire places ; to hold to him, his exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westmr, the 26th day of June, in the year above.
By writ, &c.

BOWDEN. 1st July 1801.

2523. A grant unto ANTHONY BOWDEN, of Mellor, in the parish of Glossop, in the county of Derby, cotton carder and rover, for his new invented engine or machine for batting or beating and cleaning cotton ; to hold to him, his exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westmr, the 1st day of July, in the year above. By writ, &c.

MANLEY. 1st July 1801.

2524. A grant unto JAMES MANLEY, of the township of Welton, in the parish of Great Budworth, in the county palatine of Chester, for his new invented improvements in the process of manufacturing salt ; to hold to him, his exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westmr, the 1st day of July, in the year above. By writ, &c.

MEDHURST. 10th July 1801.

2525. A grant unto GEORGE MEDHURST, of Pentonville, in the county of Middlesex, mathematical instrument maker, for his new invented improvements of certain machines for washing and wringing of linen, woollen, wool, cotton, silk, velvet, or any other commodity that requires washing, cleansing, or scowering ; to hold to him, his exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westmr, the 10th day of July, in the year above. By writ, &c.

WILKES. 10th July 1801.

2526. A grant unto JOHN WILKES, of Sheffield, in the county of York, gunsmith, for his new invented method of making self acting cylindrical spring snuffers upon a new construction, which cut off, confine, and extinguish the snuff at one motion ; to hold to him, his exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westmr, the 10th day of July, in the year above. By writ, &c.

STANHOPE. 20th July 1801.

2527. A grant unto CHARLES Earl STANHOPE for his new invented method of burning chalk, marble, and limestone into lime ; to hold to him, his exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westmr, the 20th day of July, in the year above. By writ, &c.

HOARD. 20th July 1801.

2528. A grant unto WILLIAM HOARD, of Deptford, in the county of Kent, ship chandler, for his new invented and improved portable machine for manufacturing ropes and cordage of any length, in a short space of ground, peculiarly adapted for shipping ; to hold to him, his exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westmr, the 20th day of July, in the year above. By writ, &c.

DUNDONALD. 31st July 1801.

2529. A grant unto ARCHIBALD Earl of DUNDONALD for his new invented method or methods of preparing a substitute or substitutes for gum senegal and other gums extensively employed in certain branches of manufacture ; to hold to him, his exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inrol the same within one calendr month from the date thereof. W. H. M. at Westmr, the 31st day of July, in the year above. By writ, &c.

BROWNE. 31st July 1801.

2530. A grant unto MARK BROWNE, late of New Town, in the united kingdom of Ireland, but now of Coopers Row, Tower Hill, London, esquire, for his new invented instrument or engine possessing a power to work engines or machines, whether on water or on land, or for other purposes to which the same can be applied ; to hold to him, his exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within six calendar months from the date thereof. W. H. M. at Westmr, the 31st day of July, in the year above. By writ, &c.

MURRAY. 11th August 1801.

2531. A grant unto MATTHEW MURRAY, of Holbech, in the parish of Leeds, in the county of York, engineer, for his new invented method of constructing the air pump and sundry other parts belonging to a steam engine, by which a

considerable saving will be made in the consumption of fuel, and an increased power obtained; to hold to him, his exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westm^{r}, the 11th day of Aug^{t}, in the year above. By writ, &c.

FITZGERALD. 11th August 1801.

2532. A grant unto WILLIAM FITZGERALD, esq^{r}, of Grays Inn, in the county of Middlesex, for his new invented mathematical instrument, to be called "the marine level," the properties of which are to show every deviation from the horizontal plane of ships and vessels; and which is also applicable to various purposes in surveying, levelling, and ascertaining vertical and perpendicular situations; to hold to him, his exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westm^{r}, the 11th day of Aug^{t}, in the year above. By writ, &c.

HAWKINS. 20th August 1801.

2533. A grant unto BENJAMIN HAWKINS, late of Saratoga, in the state of New York, in the United States of America, but now of Red Lion Street, Clerkenwell, in the county of Middlesex, merchant, for his new invented floating mill or engine, to be worked by tides or currents of water, for grinding all sorts of grain; to hold to him, his exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westm^{r}, the 20th day of Aug^{t}, in the year above. By writ, &c.

LUKIN. 20th August 1801.

2534. A grant unto LIONEL LUKIN the younger, of Conham House, in the county of Gloucester, esq^{r}, for his new invented method of giving power to machinery by the application of air and water; to hold to him, his exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed, and also in the colonies and plantations, for the term of fourteen years pursuant to the statute; with a clause to inroll the same within six calendar months from the date thereof. W. H. M. at Westm^{r}, the 20th day of Aug^{t}, in the year above. By writ, &c.

PARKES. 20th August 1801.

2535. A grant unto WILLIAM PARKES, of Newington Butts, in the county of Surry, professor of philosophy, for his new invented perpetual power, that will give motion to all kinds of machinery; to hold to him, his exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westm^{r}, the 20th day of Aug^{t}, in the year above. By writ, &c.

KOSTER. 31st August 1801.

2536. A grant unto JOHN THEODORE KOSTER, late of Lisbon, but now residing in S^{t} Andrews Court, Holborn, in the county of Middlesex, merch^{t}, for his new invented method of building carriages; to hold to him, his exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westm^{r}, the 31st day of Aug^{t}, in the year above. By writt, &c.

WHITBY. BODLEY. DAVIS. 3rd Sept. 1801.

2537. A grant unto JAMES WHITBY, of Collumpton, in the county of Devon, GEORGE BODLEY, of the city of Exeter, iron founder, and JOHN DAVIS, of Collumpton aforesaid, for their new invented mill for grinding of bark; to hold to them, their exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the

statute; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westm^{r}, the 3^{d} day of Sept^{r}, in the year above. By writ, &^{c}.

GERMAN. 12th Sept. 1801.

2538. A grant unto THOMAS GERMAN, of the parish of S^{t} George, Bloomsbury, in the county of Middlesex, gent^{n}, for his new invented method of greatly easing the labour and lessening the number of horses in the draft of coaches, carts, waggons, drays, and all land carriages whatsoever; to hold to him, his ex̃ors, adm̃ors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westm^{r}, the 12th day of Sept^{r}, in the year above. By writ, &^{c}.

JOTHAM. 15th Sept. 1801.

2539. A grant unto THOMAS JOTHAM, of Bradford, in the county of Wilts, clothier, for his new invented machine for raising the wool, pile, or fibres on woollen, cotton, or other piece goods, preparatory to shearing; and for dressing or dubbing cloths, either wet or dry, otherwise than by yeren cards or pickards; to hold to him, his ex̃ors, adm̃ors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westm^{r}, the 15th day of Sept^{r}, in the year above. By writ, &^{c}.

BARRATT. 18th Sept. 1801.

2540. A grant unto ZACKARIAH BARRATT, of Gealing, in the county of Nottingham, cabinet maker, for his new invented method of grinding corn or other grain, than has been hitherto used, by a new invented mill or machine, either moveable or immoveable, and intended to be worked by water, wind, horses, hand, or otherwise; to hold to him, his ex̃ors, adm̃ors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westm^{r}, the 18th day of Sept^{r}, in the year above. By writ, &^{c}.

TREMEERE. 5th October 1801.

2541. A grant unto JAMES TREMEERE, of Lambs Conduit Passage, in the parish of S^{t} George the Martyr, in the county of Middlesex, carpenter, for his new invented method of working barges and other vessels; to hold to him, his ex̃ors, adm̃ors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within six calendar months from the date thereof. W. H. M. at Westm^{r}, the 5th day of Oct^{r}, in the year above. By writ, &^{c}.

BULLOCK. 8th October 1801.

2542. A grant unto WILLIAM BULLOCK, of Portland Street, Soho, in the county of Middlesex, cabinet maker, for his new invented fastening, to be applied to sashes or dining tables; to hold to him, his ex̃ors, adm̃ors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westm^{r}, the 8th day of October, in the year above. By writ, &^{c}.

MILLER. 13th October 1801.

2543. A grant unto SAMUEL MILLER, of Cleveland Street, in the parish of S^{t} Pancras, in the county of Middlesex, engraver, for his new invented and improved machine and process for manufacturing materials for the better securing walls and roofs of houses from lateral pressure and the inclemency of the weather, by which processes the buildings will be built of better materials and rendered more durable; to hold to him, his ex̃ors, adm̃ors, and assigns,

within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westm^{r}, the 13th day of October, in the year above. By writ, &^{c}.

SYMINGTON. 14th October 1801.

2544. A grant unto WILLIAM SYMINGTON, of Kinnaird, in the county of Stirling, engineer, for his new invented mode of constructing steam engines and applying their power to the purpose of producing rotatory and other motions without the interposition of a lever or beam; to hold to him, his ex̃ors, adm̃ors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within six calendar months from the date thereof. W. H. M. at Westm^{r}, the 14th day of Oct^{r}, in the year above.

By writ, &.

FRYER. 30th October 1801.

2545. A grant unto THOMAS FRYER, of Rastrick, in the parish of Halifax, in the county of York, for his new invented method of manufacturing and finishing goods from cotton, cotton and woollen, cotton and silk, cotton and linen, or cotton and mohair, in such manner as to make the same appear as if covered with ermine or furr, and in imitation thereof; to hold to him, his ex̃ors, adm̃ors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westm^{r}, the 30th day of Oct^{r}, in the year above.

By writ, &^{c}.

BRAYSHAY. McMAHON. 30th October 1801.

2546. A grant unto RICHARD BRAYSHAY, of Liverpool, in the county of Lancaster, gent^{n}, and WILLIAM McMAHON, of the same place, gent^{n}, for his new invented machine for the purpose of gaining an increased speed and power to all mechanical operations, by land and water; to hold to them, their ex̃ors, adm̃ors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westm^{r}, the 30th day of October, in the year above.

By writ, &^{c}.

WALKER. ALPHEY. 3rd Nov. 1801.

2547. A grant unto JOHN WALKER, of Tufton Street, in the parish of S^{t} John, Westminster, in the county of Middlesex, accoutrement maker, and GODFREY ALPHEY, of the same place, painter, for his new invented method of making and manufacturing mens hatts and caps, rendering them perfectly water proof, as also all kinds of leather, cotton, linen, silk, stuffs, paste board, and other manufactures and substances, for the purpose of being worked up into shoes, boots, womens hats and bonnets, and other wearing apparell, and to be used on all occasions where a power of repelling wet or moisture may be required; to hold to him, his ex̃ors, adm̃ors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calend^{r} month from the date thereof. W. H. M. at Westm^{r}, the 3^{d} day of Nov^{r}, in the year above. By writ, &^{c}.

JACKSON. 3rd Nov. 1801.

2548. A grant unto WILLIAM JACKSON, of Easingwold, in the county of York, gent^{n}, for his new invented machine or drill, to be fixed to a plough beam, for drilling or sowing turnips; to hold to him, his ex̃ors, adm̃ors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at West^{r}, the 3^{d} day of Nov^{r}, in the year above. By writ, &^{c}.

STEWART. 3rd Nov. 1801.

2549. A grant unto DAVID STEWART, of Woodlands, in the parish of Greenwich, in the county of Kent, gardener, for his new invented method of ventilating dwelling houses, theatres, hospitals, and other buildings; and also of ventilating, heating, and constructing of every kind of buildings for forwarding or preserving trees, plants, shrubs, flowers, fruits, roots, and vegetables on an improv'd principle, thereby reducing the consumption of fuel, simplifying the mode of management, and rendering more certain the production of fruit and flowers; to hold to him, his exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westmr, the 3d day of Novr, in the year above. By writ, &c.

BREWIN. 3rd Nov. 1801.

2550. A grant unto FRANCIS BREWIN, of Bermondsey, in the county of Surry, tanner, for his new invented and improved method of tanning; to hold to him, his exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed, for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westmr, the 3d day of Novr, in the year above. By writ, &c.

BECKER. 7th Nov. 1801.

2551. A grant unto JOHN CONRAD BECKER, of Princes Street, Soho, in the county of Middlesex, musical instrument maker, for his new invented improvements in musical instruments, chiefly applicable to harps and piano fortes; to hold to him, his exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westmr, the 7th day of Novr, in the year above. By writ, &c.

BEMETZRIEDER. SCOTT. SCOTT. SCOTT. 10th Nov. 1801.

2552. A grant unto ANTONIUS BEMETZRIEDER, of Chelsea, in the county of Middlesex, master of arts, and ROBERT SCOTT, JOHN SCOTT, and ALEXANDER SCOTT, of Margaret Street, Cavendish Square, in the said county of Middlesex, musical instrument makers, for their new invented method of making piano fortes, entirely new, both in principle, construction, and shape; to hold to them, their exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westmr, the 10th day of Novr, in the year above. By writ, &c.

THOMPSON. 10th Nov. 1801.

2553. A grant unto ARCHIBALD THOMPSON, of Three Kings Court, Lombard Street, in the city of London, engineer, for his new invented machinery for the purpose of spinning rope yarn, or sail cloth yarn, and for laying or making ropes and other cordage; to hold to him, his exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within six calendar months from the date thereof. W. H. M. at Westmr, the 10th day of Novr, in the year above. By writ, &c.

HOOPER. 10th Nov. 1801.

2554. A grant unto STEPHEN HOOPER, of Walworth, in the parish of St Mary, Newington, in the county of Surry, gentn, for his new invented machines or machinery for the purpose of cleansing harbours, rivers, &c; to hold to him, his exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westmr, the 10th day of Novr, in the year above. By writ, &c.

ROBINSON. 10th Nov. 1801.

2555. A grant unto WILLIAM ROBINSON, of Essex Street, in the parish of S^{t} Clement Danes, in the county of Middlesex, peruke maker, for his new invented method of making perukes and scalps; to hold to him, his ex̃ors, adm̃ors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westm^{r}, the 10th day of Nov^{r}, in the year above.

By writ, &c.

STEVENSON. 10th Nov. 1801.

2556. A grant unto JOHN STEVENSON, of Manchester, in the county of Lancaster, tobacconist, for his new invented method of stoving and drying tobacco and the preparation for snuffs; to hold to him, his ex̃ors, adm̃ors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westm^{r}, the 10th day of Nov^{r}, in the year above. By writ, &c.

DICKINSON. 10th Nov. 1801.

2557. A grant unto ROBERT DICKINSON, of Long Acre, in the county of Middlesex, gent^{n}, for his new invented improvements in the construction of and additions to the saddles, harness, and other gear necessary or useful for the employ of horses and other animals; to hold to him, his ex̃ors, adm̃ors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westm^{r}, the 10th day of Nov^{r}, in the year above. By writ, &c.

SANFORD. 14th Nov. 1801.

2558. A grant unto JOHN SANFORD, late of Hartford, in North America, gent., but at present residing in the parish of S^{t} Pancras, in the county of Middlesex, for his new invented machine for cropping or shearing of woollen, cotton, linen, silk, and all other cloths made with a nap that require to be cropped or sheared; to hold to him, his ex̃ors, adm̃ors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within four calendar months from the date thereof. W. H. M. at Westm^{r}, the 14th day of Nov^{r}, in the year above. By writ, &c.

GOULD. 17th Nov. 1801.

2559. A grant unto CHESTER GOULD, of Red Lion Street, Clerkenwell, in the county of Middlesex, merch^{t}, for his new invented apparatus or artificial horizon, to be attached to and used with the quadrant or sextant, for the purpose of taking the altitudes of celestial and other objects, either on land or water, without the assistance of the natural horizon; to hold to him, his ex̃ors, adm̃ors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within six calendar months from the date thereof. W. H. M. at Westm^{r}, the 17th day of Nov^{r}, in the year above.

By writ, &c.

BRAMAH. 28th Nov. 1801.

2560. A grant unto JOSEPH BRAMAH, of Pimlico, in the county of Middlesex, engineer, for his new invented improvements in the construction of steam engines and boilers used for the purpose of generating steam and other purposes; to hold to him, his ex̃ors, adm̃ors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westm^{r}, the 28th day of Nov^{r}, in the year above. By writ, &c.

HALL. 28th Nov. 1801.

2561. A grant unto GEORGE HALL, of the Strand, in the county of Middlesex, goldsmith, for his new invented method of making elastic fastenings for the shoes, &c; to hold to him, his ex̃ors, adm̃ors, and assigns,

within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westm^{r}, the 28th day of Nov^{r}, in the year above. By writ, &^{c}.

RYLEY. 28th Nov. 1801.

2562. A grant unto EDWARD RYLEY, of the lordship of Myton, in the county of the town of Kingston-upon-Hull, organ builder and pianoforte maker, for his new invented moveable keys for pianofortes, organs, and other instruments; to hold to him, his ex̃ors, adm̃ors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westm^{r}, the 28th day of Nov^{r}, in the year above. By writ, &^{c}.

HART. 3rd Dec. 1801.

2563. A grant unto NAPHTALY HART, of Pimlico, in the county of Middlesex, gent., for his new invented instrument or goniometer, which will measure or lay down angles to minutes, from the smallest radius's to any extent, draw circles to any radius, draw and measure all kinds of right lined figures made use of in geometry, trigonometry, and navigation, which he calls the Hartesian goniometer; to hold to him, his ex̃ors, adm̃ors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years purs^{t} to the statute; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westm^{r}, the 3^{d} day of Dec^{r}, in the year above. By writ, &^{c}.

BOAZ. 3rd Dec. 1801.

2564. A grant unto JAMES BOAZ, of Glasgow, manufacturer, for his new invented method of communicating thoughts, information, and intelligence to and from different places at a distance from each other, by means of signs by lights and otherwise; to hold to him, his ex̃ors, adm̃ors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westm^{r}, the 3^{d} day of Dec, in the year above. By writ, &^{c}.

COLLINS. BUTTERS. 3rd Dec. 1801.

2565. A grant unto LAWRENCE COLLINS, of King Street, Portman Square, and JAMES BUTTERS, of Wigmore Street, Cavendish Square, in the county of Middlesex, tinmen, for their new invented machine for saving persons, tho' ignorant of the art of swimming, from drowning, which they propose to call a "Collinette"; to hold to them, their ex̃ors, adm̃ors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westm^{r}, the 3^{d} day of Dec^{r}, in the year above. By writ, &^{c}.

GRIERSON. 19th Dec. 1801.

2566. A grant unto CHARLES GRIERSON, of New Bond Street, in the parish of S^{t} George, Hanover Square, in the county of Middlesex, gun maker, for his new invented breech and lock for single and double barrel guns, pistols, and other fire arms, on a new and improved principle; to hold to him, his ex̃ors, adm̃ors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westm^{r}, the 19th day of Dec^{r}, in the year above. By writ, &^{c}.

BRYCE. 2nd January 1802.

2567. A grant unto ALEXANDER BRYCE, of Glasgow, in North Britain, merch^{t}, for his new invented method of drying all kinds of yarn, whether linen, woollen, cotton, or silk, or composed of all, or any, or either of these

articles, as also all kind of cloth or stuffs commonly called piece goods ; to hold to him, his exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within four calendar months from the date thereof. W. H. M. at Westmr, the 2d day of January, in the year above. By writ, &c.

Parkinson. 2nd January 1802.

2568. A grant unto Thomas Parkinson, of the parish of St George, Bloomsbury, in the county of Middlesex, gentn, for his new invented apparatus to be applied to engines for conveying fluids therefrom ; to hold to him, his exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within one calr month from the date thereof. W. H. M. at Westmr, the 2d day of Jañry, in the year above. By writ, &c.

Lea. 2nd January 1802.

2569. A grant unto Abner Cowell Lea, of the parish of Aston, near Birmingham, in the county of Warwick, manufacturer, for his new invented and improved method of manufacturing the furniture for umbrellas and parasols ; to hold to him, his exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westmr, the 2d day of Jañry, in the year above. By writ, &c.

Estienne. 9th January 1802.

2570. A grant unto Lewis James Armand Estienne, of Paul Street, near Finsbury Square, in the parish of St Leonard, Shoreditch, in the county of Middlesex, gentn, for his new invention, communicated to him by a foreigner, of reducing human excrement into a powder, divested of all nauseous smell, preserving at the same time its fertilizing properties in rendering land infinitely more productive and vegetative than any other manure hitherto discovered ; to hold to him, his exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westmr, the 9th day of Jañry, in the year above. By writ, &c.

Brown. 16th Jan. 1802.

2571. A grant unto Robert Brown, of New Radford, in the county of Nottingham, lace manufacturer, for his new invented method of manufacturing nets of all kinds ; to hold to him, his exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westmr, the 16th day of Jañry, in the year above. By writ, &c.

Lewis. 16th Jan. 1802.

2572. A grant unto Joseph Lewis, of Brimscomb, in the county of Gloucester, dyer, for his new invented improvements in the art of dying, by means of a new method of cooling the cloth and other piece goods, (particularly in dying black,) and a new mode of applying the fire for the purpose of heating the boiler or other vessels, and which may be also applied to the heating of other boilers or vessels where heat is required ; to hold to him, his exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westmr, the 16th day of Jañry, in the year above. By writ, &c.

HALL. 16th Jan. 1802.

2573. A grant unto JOSEPH HALL, of Pitt Street, in the parish of S^{t} Mary, Newington, in the county of Surry, for his new invented hammer, for guns, pistols, and other fire arms, which contains the prime, and effectually preserves it from damp and rainy weather; to hold to him, his ex̃ors, adm̃ors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westm^{r}, the 16th day of Jañry, in the year above. By writ, &^{c}.

WILLCOX. 23rd Jan. 1802.

2574. A grant unto RICHARD WILLCOX, of the city of Bristol, engineer, for his new invented improvements on the steam engine furnace or boiler, and air pump; to hold to him, his ex̃ors, adm̃ors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westm^{r}, the 23^{d} day of Jañry, in the year above. By writ, &^{c}.

DE PHILEPSTHAL. 26th Jan. 1802.

2575. A grant unto PAUL DE PHILEPSTHAL, of the Lyceum, in the Strand, gent^{n}, for his new invented optical apparatus, whereby he is enabled to represent, in a dark space or scene, the human figures, in various characters, proportions, and sizes; and by which means painters and other artists may accurately enlarge or diminish any painting, with more certainty and facility than has hitherto been known or done; to hold to him, his ex̃ors, adm̃ors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inrol the same within one calendar month from the date thereof. W. H. M. at Westm^{r}, the 26th day of Jañry, in the year above. By writ, &^{c}.

SHARPLES. 28th Jan. 1802.

2576. A grant unto JAMES SHARPLES, of the city of Bath, gent., for his new invented mechanical powers, applicable to steam engines, part of which machinery may also be applied to other useful purposes; to hold to him, his ex̃ors, adm̃ors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westm^{r}, the 28th day of Jañry, in the year above. By writ, &^{c}.

BAKER. 28th Jan. 1802.

2577. A grant unto THOMAS CHARLES BAKER, of Poplar, in the parish of S^{t} Dunstan, Stepney, in the county of Middlesex, millwright, for his new or improved vanes or sails for windmills; to hold to him, his ex̃ors, adm̃ors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westm^{r}, the 28th day of Jañry, in the year above. By writ, &^{c}.

DICKINSON. 6th Feb. 1802.

2578. A grant unto ROBERT DICKINSON, of Long Acre, in the parish of S Martin-in-the-Fields, in the county of Middlesex, for his new invented and improved method of fixing the straps of and to saddles to which the girths are usually made fast; to hold to him, his ex̃ors, adm̃ors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westm^{r}, the 6th day of Feb^{y}, in the year above. By writ, &^{c}.

SOMERVILLE. 6th Feb. 1802.

2579. A grant unto JOHN SOUTHEY Lord SOMERVILLE, for his new invented double furrowed plough, fit and proper for the ploughing of land in this kingdom; to hold to him, his ex̃ors, adm̃ors, and assigns, within England, Wales,

and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westm^r, the 6^th day of Feb^y, in the year above. By writ, &c.

MERCIE. 6th Feb. 1802.

2580. A grant unto CHARLES MERCIE, of the city of Bath, music master, for his new invented slides, which he calls air slides, to be fixed to windows, doors, and partitions of all descriptions, for preventing the external air from entering rooms, carriages, &c; to hold to him, his exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Wesmt^r, the 6^th day of Feb^y, in the year above. By writ, &c.

PENNECK. DUNKIN. 19th Feb. 1802.

2581. A grant unto HENRY PENNECK and ROBERT DUNKIN, of the town of Penzance, in the county of Cornwall, gent^n, for their new invented methods for improving the sailing and navigating of certain ships and vessels; to hold to them, their exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within six calendar months from the date thereof. W. H. M. at Westm^r, the 19^th day of Feb^y in the year above. By writ, &c.

NELSON. 19th Feb. 1802.

2582. A grant unto JOSEPH NELSON, of Leeds, in the county of York, clothier, for his new invented method of making or manufacturing woollen cloth; to hold to him, his exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westm^r, the 19^th day of Feb^y, in the year above. By writ, &c.

HIGGINS. 19th Feb. 1802.

2583. A grant unto BRYAN HIGGINS, of the parish of S^t Ann, Soho, in the county of Middlesex, doctor in physic, for his new invented apparatus for heating air equably to any requisite degree, and methods of applying the air so heated with peculiar advantage, efficacy, and economy of the fuel to the numerous purposes for which stoves and kilns have heretofore been employed; to hold to him, his exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westm^r, the 19^th day of Feb^y, in the year above. By writ, &c.

HOLLAND. 23rd Feb. 1802.

2584. A grant unto GEORGE HOLLAND, of the parish of S^t Andrew, Holborn, in the county of Middlesex, hosier, for his new invented machine, to be added to the stocking frame, for the purpose of improving the manufacture and expediting the manufacturing of fleecy hosiery and various other kinds of hosiery; to hold to him, his exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within six calendar months from the date thereof. W. H. M. at Westm^r, the 23^d day of Feb^y, in the year above. By writ, &c.

BODLEY. 27th Feb. 1802.

2585. A grant unto GEORGE BODLEY, of Exeter, in the county of Devon, ironfounder, for his new invented portable stove or kitchen, for the purpose of dressing victuals; to hold to him, his exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of four-

teen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westmr, the 27th day of Feby, in the year above. By writ, &c.

Hodson. 27th Feb. 1802.

2586. A grant unto George Hodson, of the city of Chester, ash manufacturer, for his new invented method of preparing or manufacturing fossil or mineral alkali from various substances; to hold to him, his exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within six calendar months from the date thereof. W. H. M. at Westmr, the 27th day of Feby, in the year above. By writ, &c.

Pottinger. 27th Feb. 1802.

2587. A grant unto Richard Pottinger, of the parish of Ealing, in the county of Middlesex, engineer, for his new invented apparatus, whereby persons riding in carriages may, on occasions and in circumstances of imminent danger, liberate themselves and escape impending mischief by freeing the horse or horses instantly from the carriage; to hold to him, his exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inrol the same within one calendar month from the date thereof. W. H. M. at Westmr, the 27th day of February, in the year above. By writ, &c.

Lewis. 27th Feb. 1802.

2588. A grant unto John Lewis, of Lambs Buildings, in the parish of St Luke, Old Street, in the county of Middlesex, manufacturer, for his new invented method of preventing accidents by a horse or horses drawing a carriage or carriages; to hold to him, his exors, admors, and assigns, within England, Wales, and the town of Berwick-uponTweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westmr, the 27th day of February, in the year above. By writ, &c.

Donaldson. 5th March 1802.

2589. A grant unto John Donaldson, of the city of Bristol, glass manufacturer, for his new invented method of making all kinds of glass in a more expeditious manner than hitherto attempted; to hold to him, his exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westmr, the 5th day of March, in the year above. By writ, &c.

Elliott. 9th March 1802.

2590. A grant unto Obadiah Elliott, of the parish of Saint Mary, Lambeth, in the county of Surry, coachmaker, for his new invented eccentrical antilabourist spring curricle bar, for one or more horses, upon a new and improv'd construction; to hold to him, his exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westmr, the 9th day of March, in the year above. By writ, &c.

Loud. 9th March 1802.

2591. A grant unto Thomas Loud, of Hoxton, in the parish of St Leonard, Shoreditch, in the county of Middlesex, musical instrument maker, for his new invented improvements in the action and construction of upright piano fortes; to hold to him, his exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westmr, the 9th day of March, in the year above. By writ, &c.

MITCHELL.
MITCHELL.
9th March 1802.

2592. A grant unto JAMES MITCHELL the elder, and JAMES MITCHELL the younger, both of the hamlet of Poplar and Blackwall, in the county of Middlesex, ropemakers, for their further improvements in the manufacturing of cables and hawsers; to hold to him, his exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westmr, the 9th day of March, in the year above. By writ, &c.

WILSON.
9th March 1802.

2593. A grant unto CHRISTOPHER WILSON, of the Grange Walk, in the parish of St Mary Magdalen, Bermondsey, in the county of Surry, tanner, for his new invented method of making or obtaining a vacuum or vacuums, whereby powers are gained or obtained applicable to the improvement of hydraulical, pneumatical, and mechanical machines or engines, or any others where fluids, steam, or vapour may be used or applied; to hold to him, his exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westmr, the 9th day of March, in the year above. By writ, &c.

LITHERLAND.
24th March 1802.

2594. A grant unto PETER LITHERLAND, of Liverpool, in the county palatine of Lancaster, watchmaker, for his new invented mode of keeping musical instruments in tune, and of preserving the strings from breaking; to hold to him, his exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within six calendar months from the date thereof. W. H. M. at Westmr, the 24th day of March, in the year above. By writ, &c.

ERARD.
24th March 1802.

2595. A grant unto SEBASTIAN ERARD, of Great Marlborough Street, in the parish of St James, Westminster, in the county of Middlesex, musical instrument maker, for his new invented improvements in the construction of the musical instrument called a harp; to hold to him, his exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westmr, the 24th day of March, in the year above. By writ, &c.

MEYER.
24th March 1802.

2596. A grant unto PHILIP JAMES MEYER, of Great Portland Street, in the county of Middlesex, for his new invented machine to prevent danger to persons driving, or being in curricles, single horse chaises, or other carriages, by horses being restive, breaking or running away with such carriages, or backing, in consequence of taking fright while harnessed thereto; to hold to him, his exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westmr, the 24th day of March, in the year above. By writ, &c.

ASHWORTH.
24th March 1802.

2597. A grant unto JAMES ASHWORTH, of Tottington, in the parish of Bury, in the county of Lancaster, dyer and colour maker, for his new invented method of making iron liquor for the use of dyers and printers; to hold to him, his exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westmr, the 24th day of March, in the year above. By writ, &c.

GRANT.
24th March 1802.

2598. A grant unto HENRY GRANT, esq[r], of America Square, in the city of London, for his new invented machine for the purifying and clarifying of water, whereby the most putrid or foul water may be rendered perfectly sweet and clear; to hold to him, his ex̃ors, adm̃ors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westm[r], the 24[th] day of March, in the year above. By writ, &[c].

TREVITHICK.
VIVIAN.
24th March 1802.

2599. A grant unto RICHARD TREVITHICK and ANDREW VIVIAN, of the parish of Cambourne, in the county of Cornwall, engineers and miners, for their new invented methods of improving the construction of steam engines, and the application thereof for driving carriages, and for other purposes; to hold to him, his ex̃ors, adm̃ors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westm[r], the 24[th] day of March, in the year above. By writ, &[c].

WILLIAMS.
24th March 1802.

2600. A grant unto JOHN WILLIAMS, of Portsmouth, in the county of Hants, gent[n], for his new invented method of disengaging horses from carriages; to hold to him, his ex̃ors, adm̃ors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westm[r], the 24[th] day of March, in the year above. By writ, &[c].

MASSEY.
24th March 1802.

2601. A grant unto EDWARD MASSEY the younger, of Stanley, in the parish of Stoke-upon-Trent, in the county of Stafford, watchmaker, for his new invented instrument or apparatus for taking soundings at sea with more certainty and correctness than heretofore, and for other nautical purposes, and matters connected with or relating to navigation; to hold to him, his ex̃ors, adm̃ors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within six calendar months from the date thereof. W. H. M. at Westm[r], the 24th day of March, in the year above. By writ, &[c].

CONNOP.
30th March 1802.

2602. A grant unto THOMAS CONNOP, of Manchester, in the county of Lancaster, machine maker, for his new invented machine for batting, opening, and cleansing cotton, wool, and sheeps wool; to hold to him, his ex̃ors, adm̃ors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westm[r], the 30[th] day of March, in the year above. By writ, &[c].

DUKE.
JACKS.
2nd April 1802.

2603. A grant unto ELIZABETH DUKE, of Queen Square, Moorfields, in the county of Middlesex, and JAMES JACKS, of Cornhill, in the city of London, merchant taylor and draper, for their new invention, communicated to them by a person residing in America, whereby they are enabled to render all sorts of woollen, cotton, and linen cloths, canvas, silk, hats, paper, and other manufactures waterproof; to hold to them, their ex̃ors, adm̃ors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within six calendar months from the date thereof. W. H. M. at Westm[r], the 2[d] day of April, in the year above. By writ, &[c].

WELLS.
3rd April 1802.

2604. A grant unto STEPHEN WELLS, of the parish of S[t] Mary, Lambeth, in the county of Surry, for his new invented hinges upon a new construction; to hold to him, his ex̃ors, adm̃ors, and assigns, within England, Wales, and the

town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westm^r, the 3^d day of April, in the year above. By writ, &^c.

LEACH. 6th April 1802.

2605. A grant unto JOHN LEACH, of Merton Abbey, in the county of Surry, calico printer, for his new invented method of using madder in the dying of calicoes, linens, and stuffs, whereby a great saving is made in the consumption of that root or drug ; to hold to him, his ex̃ors, adm̃ors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westm^r, the 6^th day of April, in the year above. By writ, &^c.

POWER. 7th April 1802.

2606. A grant unto JAMES POWER, of Barons Buildings, S^t George's Fields, in the county of Middlesex, gent^n, for his new invented machine for the purpose of raising weights, and for various other purposes ; to hold to him, his ex̃ors, adm̃ors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within six calendar months from the date thereof. W. H. M. at Westm^r, the 7^th day of April, in the year above. By writ, &^c.

PARKER. TELFER. AFLECK. 8th April 1802.

2607. A grant unto THOMAS PARKER, late of Broomward, in the county of Lanark, and now of the city of Glasgow, in North Britain, WILLIAM TELFER, and ALEXANDER AFLECK, of the s^d city, mathematical instrument makers, for their further improvements in preparing and manufacturing of flax, hemp, silk, and other materials ; to hold to him, his ex̃ors, adm̃ors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within six calendar months from the date thereof. W. H. M. at Westm^r, the 8^th day of April, in the year above. By writ, &^c.

BIRCH. 8th April 1802.

2608. A grant unto JAMES BIRCH, of Abernant, in the county of Glamorgan, engineer, for his new invented improvements in, or additions to, the furnace, as hitherto used for smelting and making pig iron ; to hold to him, his ex̃ors, adm̃ors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westm^r, the 8^th day of April, in the year above. By writ, &^c.

CHARLTON. 10th April 1802.

2609. A grant unto JOHN CHARLTON, of Duckmanton, in the county of Derby, agent to the Adelphi Colliery, for his new invented punch or prop for supporting the roofs of mines ; to hold to him, his ex̃ors, adm̃ors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westm^r, the 10^th day of April, in the year above. By writ, &^c.

HARRIOTT. STRODE. 13th April 1802.

2610. A grant unto JOHN HARRIOTT, of Wapping, in the county of Middlesex, esq^r, and THOMAS STRODE, of Wapping, aforesaid, smith, for their new invented engine for raising and lowering of weights of all kinds, and for working mills and other similar purposes ; to hold to them, their ex̃ors, adm̃ors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within six calendar months from the date thereof. W. H. M. at Westm^r, the 13^th day of April, in the year above. By writ, &^c.

PEARSON. 15th April 1802.

2611. A grant unto JAMES PEARSON, of the township of Walton-le-Dale, in the county of Lancaster, cotton spinner, for his new invented machine for beating and dressing cotton, wool, or flax; to hold to him, his exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westmr, the 15th day of April, in the year above. By writ, &c.

GARDINER. 15th April 1802.

2612. A grant unto HENRY GARDINER, of the city of Norwich, corn merchant, for his new invented method of preventing all sorts of corn and seeds, and various other merchandize, from receiving damage by heat on board ships and in warehouses, and of improving all such corn, seeds, or other merchandizes as may have received damage by heat or otherwise; to hold to him, his exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within six calendar months from the date thereof. W. H. M. at Westmr, the 15th day of April, in the year above. By writ, &c.

MARTIN. 19th April 1802.

2613. A grant unto THOMAS MARTIN, of Goswell Street, Clerkenwell, in the county of Middlesex, sadler, collar, harness maker, and tawer, for his new invented improvements in the art of tanning and dressing hides and skins; to hold to him, his exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westmr, the 19th day of April, in the year above. By writ, &c.

THOMAS. 26th April 1802.

2614. A grant unto JOHN THOMAS, of Withington, in the parish of Manchester and county of Lancaster, cotton spinner, for his new invented method, in addition to the machine and methods now in use, for the batting or beating and cleaning of wool, cotton, and flax, preparatory to the carding and spinning thereof; to hold to him, his exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westmr, the 26th day of April, in the year above. By writ, &c.

BAUER. 5th May 1802.

2615. A grant unto GEORGE FREDERICK BAUER, of Swithins Lane, in the city of London, doctor of physic, for his new invented improvements in the construction of carriages and the wheels of carriages; to hold to him, his exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westmr, the 5th day of May, in the year above. By writ, &c.

HOLLISTER. 5th May 1802.

2616. A grant unto LAWRENCE HOLLISTER, of Norfolk Street, in the parish of St Mary-le-bone, in the county of Middlesex, artist, for his new invented machinery for improving roads; to hold to him, his exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westmr, the 5th day of May, in the year above. By writ, &c.

THOMASON. 7th May 1802.

2617. A grant unto EDWARD THOMASON, of Birmingham, in the county of Warwick, manufacturer, for his new invented improvement on cork screws; to hold to him, his exors, admors, and assigns, within England, Wales, and

the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westm^r, the 7^th day of May, in the year above. By writ, &^c.

LAWRENCE. 10th May 1802.

2618. A grant unto JOHN LAWRENCE, of Lambeth, in the county of Surry, gent^n, for his new invented method of tanning; to hold to him, his ex̃ors, adm̃ors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westm^r, the 10^th day of May, in the year above. By writ, &^c.

COLE. 18th May 1802.

2619. A grant to RICHARD COLE, of Bull and Mouth Street, in the city of London, fancy hat manufacturer, for his new invented improvements on leghorn and chip hats ; to hold to him, his ex̃ors, adm̃ors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inrol the same within one calendar month from the date thereof. W. H. M. at Westm^r, the 18^th day of May, in the year above. By writ, &^c.

RUSHER. 20th May 1802.

2620. A grant unto PHILIP RUSHER, of Banbury, in the county of Oxford, for his new invented improvements in printing types ; to hold to him, his ex̃ors, adm̃ors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within one cal^r month from the date thereof. W. H. M. at Westm^r, the 20^th day of May, in the year above. By writ, &^c.

BOSWELL. 20th May 1802.

2621. A grant unto JOHN WHITLEY BOSWELL, of the city of Dublin, gent^n, for his new invented method of building or fabricating ships or vessels for navigation ; to hold to him, his ex̃ors, adm̃ors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at W. the 20^th day of May, in the year above. By writ, &^c.

PRITTY. 20th May 1802.

2622. A grant unto THOMAS PRITTY, of Haughley, near Stowmarket, in the county of Suffolk, grocer and draper, for his new invented method of affixing and hanging certain spring joints and other apparatus to doors ; to hold to him, his ex̃ors, adm̃ors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westm^r, the 20^th day of May, in the year above. By writ, &^c.

BLAIR. 31st May 1802.

2623. A grant unto ARCHIBALD BLAIR, of Bayford, in the county of Herts, esquire, for his new invented machinery, to be variously constructed, for pressing all sorts of substances to which it may be found applicable ; to hold to him, his ex̃ors, adm̃ors, and assigns, within England, Wales, and the town of Berwick-upon Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within six calendar months from the date thereof. W. H. M. at Westm^r, the 31^st day of May, in the year above. By writ, &^c.

CANT. MILLAR. 31st May 1802.

2624. A grant unto JOHN CANT, late of the town of Brechin, tanner, and JOHN MILLAR, of the town of Montrose, tanner and leather dealer, both in the county of Angus, in North Britain, for their new invented method of tanning leather ; to hold to them, their ex̃ors, adm̃ors, and assigns, within England,

Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within four calendar months from the date thereof. W. H. M. at Westm^r^, the 31^st^ day of May, in the year above. By writ, &^c^.

Wood. 31st May 1802.

2625. A grant unto Matthew Wood, of Falcon Square, in the city of London, merch^t^, for his new invented method of preparing a colour from malt, for the purpose of colouring spirits, wines, and other liquors ; to hold to him, his ex̃ors, adm̃ors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westm^r^, the 31^st^ day of May, in the year above. By writ, &^c^.

Wilson. 31st May 1802.

2626. A grant unto John Wilson, of S^t^ Albans Street, in the parish of S^t^ James, Westminster, in the county of Middlesex, gent^n^, for his new invented method or methods of purifying, clarifying, reducing, separating, and decompounding fluids ; to hold to him, his ex̃ors, adm̃ors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inrol the same within six calendar months from the date thereof. W. H. M. at Westm^r^, the 31^st^ day of May, in the year above. By writ, &^c^.

Fryer. 31st May 1802.

2627. A grant unto Joseph Fryer, of Rastrick, in the parish of Halifax, in the county of York, surgeon, being one of the people called Quakers, for his new invented machine for the purpose of cutting, dressing, and finishing of woollen cloth ; to hold to him, his ex̃ors, adm̃ors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within one calendar months from the date thereof. W. H. M. at Westm^r^, the 31^st^ day of May, in the year above. By writ, &^c^.

Maltby. 14th June 1802.

2 28. A grant unto Thomas Maltby, of the town of Nottingham, for his new invented stirrup ; to hold to him, his ex̃ors, adm̃ors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westm^r^, the 14^th^ day of June, in the year above. By writ, &^c^.

Lester. 19th June 1802.

2629. A grant unto William Lester, of Cotton End, in the parish of Hardingstone, in the county of Northampton, engineer, for his new invented engine or machine, on an improv'd construction, for separating corn and seeds from the straw, part of which machinery may also be applied to other useful purposes ; to hold to him, his ex̃ors, adm̃ors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within four calendar months from the date thereof. W. H. M. at Westm^r^, the 19^th^ day of June, in the year above. By writ, &^c^.

Tate. 26th June 1802.

2630. A grant unto James Tate, of Tottenham Court Road, in the parish of S^t^ Pancras, in the county of Middlesex, ironmonger, for his new invented improvements in the construction of wheel carriages ; to hold to him, his ex̃ors, adm̃ors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westm^r^, the 26^th^ day of June, in the year above. By writ, &^c^.

RICHARDSON. 26th June 1802.

2631. A grant unto THOMAS RICHARDSON, of Iron Acton, in the county of Gloucester, tanner, for his new invented improvements in the art of preparing, colouring, and uniting the skins of sheep and lambs; to hold to him, his exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed, for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calend^{r} month from the date thereof. W. H. M. at Westm^{r}, the 26th day of June, in the year above. By writ, &c.

MURRAY. 28th June 1802.

2632. A grant unto MATTHEW MURRAY, of Leeds, in the county of York, engineer, for his new invented new combined steam engines, for producing circular powers, and certain machinery thereunto belonging, applicable to the drawing of coals, ores, and all other minerals from mines; and for spinning cotton, flax, tow, and wool, or for any other purpose requiring circular power; to hold to him, his exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within four calendar months from the date thereof. W. H. M. at Westm^{r}, the 28th day of June, in the year above. By writ, &c.

WALMSLEY. 2nd July 1802.

2633. A grant unto WILLIAM WALMSLEY, of Manchester, in the county of Lancaster, machine maker, for his new invented machine for batting and opening cotton wool, sheeps wool, tow, hemp, and flax, upon a new principle; to hold to him, his exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westm^{r}, the 2^{d} day of July, in the year above. By writ, &c.

BARCLAY. 14th July 1802.

2634. A grant unto WILLIAM BARCLAY, of Manchester Buildings, in the parish of S^{t} Margaret's, Westminster, clerk, for his new invented medicinal compound, called "the Rev^{d} M^{r} Barclay's antibilious de obstruent pills;" to hold to him, his exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westm^{r}, the 14th day of July, in the year above. By writ, &c.

WILSON. BURDON. 23rd July 1802.

2635. A grant unto THOMAS WILSON, of Bishop Wearmouth, in the county of Durham, engineer, and ROWLAND BURDON, of Castle Eden, in the said county, esquire, for their new invented methods of uniting, combining, and connecting the metallick patent blocks of the said Rowland Burdon for the construction of arches; to hold to them, their exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed, for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westm^{r}, the 23^{d} day of July, in the year above. By writ, &c.

VANCOUVER. 23rd July 1802.

2636. A grant unto JOHN VANCOUVER, of Jack Brook House, in the county of Warwick, esquire, for his new discovered materials, which, by certain new processes of manufacture, is capable of being rendered a substitute for soap; to hold to him, his exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westm^{r}, the 23^{d} day of July, in the year above. By writ, &c.

SAWDON. 23rd July 1802.

2637. A grant unto THOMAS SAWDON, of the city of Lincoln, wire worker and corn machine maker, for his new invented machine for cutting straw for fodder for cattle, on principles entirely new; to hold to him, his exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westmr, the 23d day of July, in the year above. By writ, &c.

ELLIOTT. 2nd August 1802.

2638. A grant unto GEORGE ELLIOTT, of Rathbone Place, in the parish of St Mary-le-bone, in the county of Middlesex, machine maker, for his new invented machine for the purpose of raising water and other fluids; to hold to him, his exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westmr, the 2d day of August, in the year above. By writ, &c.

WYATT. 2nd August 1802.

2639. A grant unto CHARLES WYATT, of New Bridge Street, in the city of London, mercht and manufacturer, for his new invented improvements in the apparatus for and mode of distilling, drying coffee and sugar; to hold to him, his exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westmr, the 2d day of August, in the year above. By writ, &c.

SPEER. 2nd August 1802.

2640. A grant unto WILLIAM SPEER, of the city of Dublin, esqr, for his new invented improvement in the construction of hydrometers; to hold to him, his exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within six calendar months from the date thereof. W. H. M. at Westmr, the 2d day of August, in the year above. By writ, &c.

NICHOLSON. 14th August 1802.

2641. A grant unto WILLIAM NICHOLSON, of Soho Square, in the county of Middlesex, gentn, for his new invented machinery for the better and more expeditious manufacturing of files; to hold to him, his exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westmr, the 14th day of August, in the year above. By writ, &c.

SMITH. 19th August 1802.

2642. A grant unto JOSEPH SMITH, of Red Lion Street, Holborn, in the county of Middlesex, smith, for his new invented method of fixing and setting an alarum or alarm bell, so contrived as to alarm and awaken families in case of fire, &c; to hold to him, his exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westmr, the 19th day of August, in the year above. By writ, &c.

BLAIR. 19th August 1802.

2643. A grant unto ARCHIBALD BLAIR, of Bayford, in the county of Herts, esquire, for his new invented method of retaining cotton and other elastic substances when pressed; to hold to him, his exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed, and also in the colonies and plantations abroad, for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westmr, the 19th day of August, in the year above. By writ, &c.

BARRETO. BARRETO. 30th August 1802.

2644. A grant unto JOSEPH DE OLIVEIRA BARRETO, late of Lisbon, but now of Old Burlington Street, in the county of Middlesex, esq^{r}, and MARY DE LIMA BARRETO, his wife, for their new invented method of treating and curing of ruptures; to hold to him, his ex̃ors, adm̃ors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westm^{r}, the 30th day of August, in the year above. By writ, &^{c}.

HATELY. 31st August 1802.

2645. A grant unto JOSEPH HATELY, of Cradely, in the county of Worcester, assayer of metals, for his new invented method of purifying metals; to hold to him, his ex̃ors, adm̃ors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within six calendar months from the date thereof. W. H. M. at Westm^{r}, the 31st day of August, in the year above. By writ, &^{c}.

BRINDLEY. 20th Sept. 1802.

2646. A grant unto JOSEPH BRINDLEY, of Rochester, in the county of Kent, shipbuilder, for his new invented method of more effectually securing ships beams to their sides; to hold to him, his ex̃ors, adm̃ors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westm^{r}, the 20th day of Sept^{r}, in the year above. By writ, &^{c}.

LANDELS. 20th Sept. 1802.

2647. A grant unto JAMES LANDELS, of Ratcliffe, in the parish of S^{t} Dunstan, Stepney, in the county of Midd^{x}, shipwright, for his new invented method of working pumps by machinery; to hold to him, his ex̃ors, adm̃ors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westm^{r}, the 20th day of Sept^{r}, in the year above. By writ, &^{c}.

DICKINSON. 27th Sept. 1802.

2648. A grant unto ROBERT DICKINSON, of Long Acre, in the parish of S^{t} Martin-in-the-Fields, in the county of Middlesex, for his new invented improvements in the arts of working and making of the furniture, accoutrements, or apparatus, useful or necessary for the employment of horses, or otherwise relating to the same; to hold to him, his ex̃ors, adm̃ors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calend^{r} month from the date thereof. W. H. M. at Westm^{r}, the 27th day of Sept^{r}, in the year above. By writ, &^{c}.

PLEES. 27th Sept. 1802.

2649. A grant unto WILLIAM PLEES, of Chelsea, in the county of Middlesex, gent^{n}, for his new invented method of manufact^{g} paper for various purposes; to hold to him, his ex̃ors, adm̃ors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westm^{r}, the 27th day of Sept^{r}, in the year above. By writ, &^{c}.

FORDER. 2nd October 1802.

2650. A grant unto WILLIAM FORDER, of Portsea, in the county of Hants, purser in His Majesty's Royal Navy, for his new invented diving machine, to be used in and about stopping holes and leaks in ships bottoms, and for other purposes; to hold to him, his ex̃ors, adm̃ors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years

pursuant to the statute; with a clause to inroll the same within one calend[r] month from the date thereof. W. H. M. at Westm[r], the 2[d] day of Oct[r], in the year above. By writ, &[c].

GRIMSHAW. 5th October 1802.

2651. A grant unto JOHN GRIMSHAW, of Bishop Wearmouth, in the county of Durham, rope maker, being one of the people called Quakers, for his new invented improvements in machinery for laying ropes; to hold to him, his ex̃ors, adm̃ors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed, and also in the colonies & plantations abroad, for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westm[r], the 5[th] day of Oct[r], in the year above. By writ, &[c].

BRAMAH. 30th October 1802.

2652. A grant unto JOSEPH BRAMAH, of Pimlico, in the county of Middlesex, engineer, for his new invented machine for the purpose of producing straight, smooth, and paralell surfaces on wood and other materials; to hold to him, his ex̃ors, adm̃ors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westm[r], the 30[th] day of Oct[r], in the year above. By writ, &[c].

THOELDEN. 30th October 1802.

2653. A grant unto AUGUSTUS FREDERICK THOELDEN, of S[t] Albans Street, Pall Mall, in the county of Middx, esq[r], for his new invented mechanical apparatus for supporting the human body; to hold to him, his ex̃ors, adm̃ors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westm[r], the 30[th] day of Oct[r], in the year above. By writ, &[c].

SMETHURST. PAUL. 30th October 1802.

2654. A grant unto JAMES SMETHURST, of S[t] Margaret's Hill, Southwark, in the county of Surry, lamp manufacturer, and NICHOLAS PAUL, of Villiers Street, Strand, in the county of Middlesex, mechanisian, for their new improvements on lamps and reflectors; to hold to them, their ex̃ors, adm̃ors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed, and also in the colonies and plantations abroad, for the term of fourteen years pursuant to the statute; with a clause to inroll the same within six calendar months from the date thereof. W. H. M. at Westm[r], the 30[th] day of Oct[r], in the year above. By writ, &[c].

HOW. 30th October 1802.

2655. A grant unto JAMES HOW, of Bovingdon, near Hemel Hempstead, in the county of Herts, farmer, for his new invented plough upon an improved construction; to hold to him, his ex̃ors, adm̃ors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westm[r], the 30[th] day of Oct[r], in the year above. By writ, &[c].

BARNETT. 6th Nov. 1802.

2656. A grant unto THOMAS BARNETT, of East Street, Lambeth, in the county of Surry, mathematical instrument maker, for his new invention, whereby a requisite quantity of air will introduce itself into any vessel containing fluids, or a superabundant quantity of air therein discharge itself, so as to preserve the fluid in a constant state for use; to hold to him, his ex̃ors, adm̃ors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westm[r], the 6[th] day of Nov[r], in the year above. By writ, &[c].

WALKER. 6th Nov. 1802.

2657. A grant unto ROBERT WALKER, of Union Street, in the parish of S[t] Mary-le-bone, in the county of Middlesex, for his new invented dining tables, upon an entire new and improv'd construction; to hold to him, his ex̃ors, adm̃ors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westm[r], the 6[th] day of Nov[r], in the year above. By writ, &c.

SMITH. 13th Nov. 1802.

2658. A grant unto HENRY SMITH, a lieut[t] in His Majesty's Royal Navy, for his new improved vessel or barrel for the more safe and expeditious carriage and conveyance of gunpowder; to hold to him, his ex̃ors, adm̃ors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within six calendar months from the date thereof. W. H. M. at Westm[r], the 13[th] day of Nov[r], in the year above. By writ, &c.

HUGUENIN. 13th Nov. 1802.

2659. A grant unto SIMON HUGUENIN, of Brook Street, in the parish of S[t] Andrew, Holborn, in the county of Middx, engineer, for his new invented machine for accelerating motion with little friction, to be called the universal lever; to hold to him, his ex̃ors, adm̃ors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed, and also in the colonies and plantations abroad, for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westm[r], the 13[th] day of Nov[r], in the year above. By writ, &c.

MARTIN. 20th Nov. 1802.

2660. A grant unto THOMAS MARTIN, of Brook Street, near Brentwood, in the county of Essex, sadler, for his new invented method of applying fire, by means of certain machinery, for the purpose of heating liquors, and applying such liquors, when heated, to various useful purposes; to hold to him, his ex̃ors, adm̃ors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within six calendar months from the date thereof. W. H. M. at Westm[r], the 20[th] day of Nov[r], in the year above. By writ, &c.

DAWSON. 25th Nov. 1802.

2661. A grant unto THOMAS DAWSON, of James Street, Long Acre, in the county of Middlesex, tin plate worker, for his new invented lamp or lanthorn, upon an improv'd construction; to hold to him, his ex̃ors, adm̃ors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westm[r], the 25[th] day of Nov, in the year above. By writ, &c.

DOBSON. 25th Nov. 1802.

2662. A grant unto WILLIAM DOBSON, of the parish of S[t] Clement Danes, in the county of Middlesex, hardwareman, for his new invented machinery for the purpose of chasing away flies and venomous insects; to hold to him, his ex̃ors, adm̃ors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within three calendar months from the date thereof. W. H. M. at Westm[r], the 25[th] day of Nov[r], in the year above. By writ, &c.

BRUNEL. 27th Nov. 1802.

2663. A grant unto MARC ISAMBARD BRUNEL, of Gerard Street, Soho, in the county of Middlesex, gent[n], for his new invented trimmings and borders of muslin, lawn, and cambricks; to hold to him, his ex̃ors, adm̃ors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term

of fourteen years pursu^{t} to the statute ; with a clause to inroll the same within six calendar months from the date thereof. W. H. M. at Westm^{r}, the 27th day of Nov^{r}, in the year above. By writ, &^{c}.

ROBERTS. BRINE. 29th Nov. 1802.

2664. A grant unto JAMES ROBERTS, of Portsea, in the county of Hants, mechanic, and EDWARD BRINE, of the same place, coppersmith, for his new invented machinery for the purpose of drugging or locking the wheels of carriages of every description, and for instantly disengaging the horses therefrom ; to hold to him, his ex̃ors, adm̃ors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westm^{r}, the 29th day of Nov^{r}, in the year above. By writ, &^{c}.

ROSS. 29th Nov. 1802.

2665. A grant unto ALEXANDER ROSS, of Bishopsgate, within the city of London, perfumer, for his new invented gentlemens perruques or wigs ; to hold to him, his ex̃ors, adm̃ors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years purs^{t} to the statute ; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westm^{r}, the 29th day of Nov^{r}, in the year above. By writ, &^{c}.

CRAANEN. 30th Nov. 1802.

2666. A grant unto DANIEL CRAANEN, a native of Holland, but now residing in the city of London, merch^{t}, for his new invented method of making verdigris, in lumps or powder, with ingredients the produce of Great Britain, which will not only answer every purpose of foreign verdigris, but can be used as a water colour upon paper, &^{c}; to hold to him, his ex̃ors, adm̃ors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within six calendar months from the date thereof. W. H. M. at Westm^{r}, the 30th day of Nov^{r}, in the year above. By writ, &^{c}.

BEER. 9th Dec. 1802.

2667. A grant unto WILLIAM BEER, of Ely Place, in the city of London, medical professor and dealer in medicine, for his new invented medicine and method of administering the same, for the more effectually and expeditiously curing the gout, rheumatism, &^{c}; to hold to him, his ex̃ors, adm̃ors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westm^{r}, the 9th day of Dec^{r}, in the year above. By writ, &^{c}.

BARNETT. BARNETT. 21st Dec. 1802.

2668. A grant unto JOHN BARNETT, of Birmingham, in the county of Warwick, toy maker, and JOSEPH BARNETT, of the borough of Warwick, in the said county, cutler, for their new and improved method of making parasols and umbrellas ; to hold to them, their ex̃ors, adm̃ors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westm^{r}, the 21st day of Dec^{r}, in the year above. By writ, &^{c}.

WYATT. 21st Dec. 1802.

2669. A grant unto MATTHEW WYATT, of Queen Ann Street, in the county of Middlesex, esq^{r}, for his new invented fire grate, upon an improv'd construction; to hold to him, his ex̃ors, adm̃ors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westm^{r}, the 21st day of Dec^{r}, in the year above. By writ, &^{c}.

SAINT. 21st Dec. 1802.

2670. A grant unto THOMAS SAINT, of the city of Bristol, engineer, for his new invented method of increasing the effect of steam engines, and saving fuel in the working thereof; to hold to him, his exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendr month from the date thereof. W. H. M. at Westmr, the 21st day of Decr, in the year above. By writ, &c.

LEWELL. 21st Dec. 1802.

2671. A grant unto JOHN LEWELL, of Gresse Street, Rathbone Place, in the county of Middlesex, stove maker, for his new invented register stove upon improv'd principles; to hold to him, his exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendr month from the date thereof. W. H. M. at Westmr, the 21st day of Decr, in the year above. By writ, &c.

SCOTT. CLARKSON. TATHAM. MELLISH. 21st Dec. 1802.

2672. A grant unto JOHN SCOTT and JAMES CLARKSON, of Lower Street, Islington, in the county of Middlesex, brick makers, WILLIAM TATHAM, of Staples Inn Buildings, Holborn, in the said county of Middlesex, esqr, and SAMUEL MELLISH, of Holborn Court, Grays Inn, in the said county, gentn, for their new invented articles, which they have denominated "Tatham's clumps," for the purpose of constructing water pipes, sewers, tunnels, wells, conduits, reservoirs, or other circular walls, shells, or buildings; to hold to them, their exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed, and also in the colonies and plantations abroad, for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendr month from the date thereof. W. H. M. at Westmr, the 21st day of Decr, in the year above. By writ, &c.

BILLINGSLEY. 22nd Dec. 1802.

2673. A grant unto MICHAEL BILLINGSLEY, of Birkinshaw, in the county of York, engineer, for his new invented instrument, engine, or machine, to be worked by steam, water, or horses, for the purpose of boring cylinders, &c; to hold to him, his exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westmr, the 22d day of Decr, in the year above. By writ, &c.

WILSON. 20th Jan. 1803.

2674. A grant unto CHARLES ROBERT WILSON, of the parish of St Saviour, Southwark, in the county of Surry, plasterer, for his new invented apparatus for the purpose of stopping ungovernable horses; to hold to him, his exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westmr, the 20th day of Jañry, in the year above. By writ, &c.

JACOB. 20th Jan. 1803.

2675. A grant unto JOSEPH JACOB, of Greek Street, in the parish of St Ann, Soho, in the county of Middlesex, coachmaker, for his new invented metal box for the axletrees of wheel carriages, mills, engines, and other machines; to hold to him, his exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westmr, the 20th day of Jañry, in the year above. By writ, &c.

MATCHAM. 29th Jan. 1803.

2676. A grant unto GEORGE MATCHAM, of the city of Bath, esqr, for his new invented principle or mechanical power for raising great weights, in preventing ships from sinking, in raising ships when sunk, in rendering

ships which are disproportioned to shallow water capable of entering rivers, passing bars, or shoals, or otherwise moving in shallow water, and for a variety of other useful purposes; to hold to him, his exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within six calendar months from the date thereof. W. H. M. at Westmr, the 29th day of Jañry, in the year above. By writ, &c.

STEPHENS. 29th Jan. 1803.

2677. A grant unto EDWARD STEPHENS, of the city of Dublin, for his new invented furnace, stove, or fire place, which can conveniently be applied to the burning of limestone at the same time that it is used for the heating of all manner of corn kilns, &c; to hold to him, his exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed, and also in the colonies and plantations abroad, for the term of fourteen years pursuant to the statute; with a clause to inroll the same within two calendar months from the date thereof. W. H. M. at Westmr, the 29th day of Jañry, in the year above. By writ, &c.

GAYLEARD. 1st Feb. 1803.

2678. A grant unto JAMES GAYLEARD, of New Bond Street, in the county of Middlesex, staymaker, for his new invented long stays, short stays, and corsetts, on an improv'd construction; to hold to him, his exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westmr, the 1st day of February, in the year above. By writ, &c.

HOOPER. 5th Feb. 1803.

2679. A grant unto STEPHEN HOOPER, of Walworth, in the county of Surry, for his new invented machines or machinery, upon improv'd principles, and methods of using the same, for the purpose of cleansing creeks, bars of harbours, and preventing bars from making; to hold to him, his exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within six calendar months from the date thereof. W. H. M. at Wesmtr, the 5th day of February, in the year above. By writ, &c.

CLAYFIELD. 10th Feb. 1803.

2680. A grant unto WILLIAM HENRY CLAYFIELD, of the city of Bristol, wine merchr, for his new invented method of reducing and extracting lead and other metals from a compound substance commonly known by the name of regulus and regule; to hold to him, his exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westmr, the 10th day of Feby, in the year above. By writ, &c.

COBB. 21st Feb. 1803.

2681. A grant unto TIMOTHY COBB, of Banbury, in the county of Oxford, woollen manufacturer, for his new invented improvements in the manufacturing a certain kind of piece goods called shag or plush; to hold to him, his exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westmr, the 21st day of Feby, in the year above. By writ, &c.

WOODHOUSE. 28th Feb. 1803.

2682. A grant unto JONATHAN WOODHOUSE, of Ashby-de-la-Zouch, in the county of Leicester, engineer, for his new invented method of forming a cast iron rail or plate, which may be used in making iron railroads or ways for

the working and running of waggons, carts, drays, and other carriages on public and other roads ; and also a new method of fixing, fastening, and securing such cast iron rail or plate on such roads ; to hold to him, his exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westmr, the 28th day of Feby, in the year above. By writ, &c.

KIRKWOOD. 28th Feb. 1803.

2683. A grant unto ROBERT KIRKWOOD, of Edinburgh, engraver and copper plate printer, for his new invented improvements on the copper plate printing press ; to hold to him, his exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within four calendar months from the date thereof. W. H. M. at Westmr, the 28th day of Feby, in the year above. By writ, &c.

JOHNSON. 28th Feb. 1803.

2684. A grant unto THOMAS JOHNSON, of Bradberry, in the county palatine of Chester, weaver, for his new invented and improv'd method of preparing, and dressing cotton warp ; to hold to him, his exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westmr, the 28th day of Feby, in the year above. By writ, &c.

MASON. 28th Feb. 1803.

2685. A grant unto ROBERT MASON, of Cumberland Street, Portsea, in the county of Hants, gentn, for his new improvements on a common waggon, whereby the same may be separated and used as two carts, which he denominates the "patent Hampshire waggon" ; to hold to him, his exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within four calendar months from the date thereof. W. H. M. at Westmr, the 28th day of February, in the year above. By writ, &c.

HADEN. 28th Feb. 1803.

2686. A grant unto BENJAMIN HADEN, of Sedgley, in the county of Stafford, bagging weaver, for his new invented improvement in the manufacture of bagging, for packing of nails and other purposes ; to hold to him, his exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westmr, the 28th day of February, in the year above. By writ, &c.

CHIFNEY. 8th March 1803.

2687. A grant unto BARKER CHIFNEY, of London, gentn, for his new invented improvements in the manufacturing and preparing roofing slates, and in laying the same ; to hold to him, his exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute ; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westmr, the 8th day of March, in the year above. By writ, &c.

BENNET. 10th March 1803.

2688. A grant unto JAMES BENNET, of Oldham Street, Manchester, in the county palatine of Lancaster, manufacturer, for his new invented method of felting woollen cloth, and also of felting cloth manufactured of sheeps wool, and other combined materials ; to hold to him, his exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute ; with a clause to inroll the same within six calendar months from the date thereof. W. H. M. at Westmr, the 10th day of March, in the year above. By writ, &c.

MILLER.
16th March 1803.

2689. A grant unto SAMUEL MILLER, of the parish of S^{t} Pancras, in the county of Middlesex, engineer, for his new invented and improved method of applying the repelling or repulsive force of nature, in order to give a stronger impulse to any substance or body in motion, as well as to destroy the bad effects of its baneful activity; to hold to him, his ex̃ors, adm̃ors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westm^{r}, the 16th day of March, in the year above. By writ, &^{c}.

SHORTER.
21st March 1803.

2690. A grant unto EDWARD SHORTER, of New Crane, Wapping, in the county of Middlesex, mechanic, for his new invented apparatus for working of pumps; to hold to him, his ex̃ors, adm̃ors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within two calend^{r} months from the date thereof. W. H. M. at Westm^{r}, the 21st day of March, in the year above. By writ, &^{c}.

CLARK.
23rd March 1803.

2691. A grant unto ROBERT CLARK, of Fitzroy Place, in the county of Middlesex, instrument maker, for his new invented improvements in the construction of a truss to be worn in case of rupture; to hold to him, his ex̃ors, adm̃ors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one c^{r} month from the date thereof. W. H. M. at Westm^{r}, the 23^{d} day of March, in the year above. By writ, &^{c}

EGG.
23rd March 1803.

2692. A grant unto DURS EGG, of the parish of S^{t} Martin-in the-Fields, in the county of Middlesex, gunmaker, for his new invented improvements upon fire arms; to hold to him, his ex̃ors, adm̃ors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within six calendar months from the date thereof. W. H. M. at Westm^{r}, the 23^{d} day of March, in the year above. By writ, & .

BAINBRIDGE.
1st April 1803.

2693. A grant unto WILLIAM BAINBRIDGE, of Little Queen Street, Lincolns Inn Fields, in the county of Middlesex, musician, for his new invented improvements on the flagelet or English flute; to hold to him, his ex̃ors, adm̃ors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westm^{r}, the 1st day of April, in the year above. By writ, &^{c}.

BOOND.
5th April 1803.

2694. A grant unto WILLIAM BOOND, of Manchester, in the county of Lancaster, cotton manufacturer, for his new invented manufacture of mixed and coloured cotton velvets, velveteens, velverets, thicksets, cords, and other cotton pile goods, commonly called fustians; to hold to him, his ex̃ors, adm̃ors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed, for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westm^{r}, the 5th day of April, in the year above. By writ, &^{c}.

HAWKINS.
5th April 1803.

2695. A grant unto RICHARD FRANCIS HAWKINS, of Woolwich, in the county of Kent, gent^{n}, for his new invented method of applying a certain power to the working of ship and other windlasses, ship and other winches, cranes, and other purposes to which the same hath never before been applied; to hold to him, his ex̃ors, adm̃ors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute;

with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westm^r, the 5^th day of April, in the year above.
By writ, &c.

LEACH. 7th April 1803.

2696. A grant unto JOHN LEACH, of Merton Abbey, in the county of Surry, calico printer, for his new invented improvements on steam engine boilers; to hold to him, his ex̃ors, adm̃ors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within six calendar months from the date thereof. W. H. M. at Westm^r, the 7^th day of April, in the year above. By writ, &c.

DAVIS. 11th April 1803.

2697. A grant unto DANIEL PAULIN DAVIS, of Bloomsbury Square, in the parish of S^t George, Bloomsbury, in the county of Middlesex, for his new invented method of cleansing and sweeping chimneys; to hold to him, his ex̃ors, adm̃ors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westm^r, the 11^th day of April, in the year above.
By writ, &c.

TODD. 14th April 1803.

2698. A grant unto JOHN TODD, of Bolton, in the county of Lancaster, cotton spinner, for his new invented method of weaving and manufacturing woollen, cotton, linen, silk, and worsted cloths or stuffs, and also certain improvements on and additions to the machines used in weaving, by means of looms wrought by water, steam engines, horses, or any other power; to hold to him, his ex̃ors, adm̃ors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westm^r, the 14^th day of April, in the year above.
By writ, &c.

HORROCKS. 20th April 1803.

2699. A grant unto WILLIAM HORROCKS, of Stockport, in the county of Chester, cotton manufacturer, for his new invented improvements to a loom for weaving of cotton and other goods by steam or water; to hold to him, his ex̃ors, adm̃ors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within six calendar months from the date thereof. W. H. M. at Westm^r, the 20^th day of April, in the year above.
By writ, &c.

DAY. 20th April 1803.

2700. A grant unto SAMUEL DAY, of Charter House, Hinton, in the county of Somerset, esq^r, for his new invented engine or time piece, which he denominates "the watchman's noctuary and labourer's regulator;" to hold to him, his ex̃ors, adm̃ors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westm^r, the 20^th day of April, in the year above. By writ, &c.

HALL. 27th April 1803.

2701. A grant unto JAMES HALL, of Mellor, in the parish of Glossop, in the county of Derby, weaver, for his new invented improvements upon looms; to hold to him, his ex̃ors, adm̃ors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one cal^r month from the date thereof. W. H. M. at Westm^r, the 27^th day of April, in the year above. By writ, &c.

BELL. 10th May 1803.

2702. A grant unto ELIZABETH BELL, of Hampstead, in the county of Middlesex, spinster, for her new invented method of sweeping chimnies, and of constructing them in such a manner as to lessen the danger and inconvenience from fire and smoke ; to hold to him, his exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westmr, the 10th day of May, in the year above. By writ, &c.

BEAUMONT. BEAUMONT. 17th May 1803.

2703. A grant unto GEORGE BEAUMONT, of South Crossland, near Huddersfield, in the county of York, and WALTER BEAUMONT, of the same place, manufacturers of woollen goods, for their new invented mixture to be used in the preparation of sheep or lambs wool for various purposes ; to hold to them, their exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westmr, the 17th day of May, in the year above. By writ, &c.

GREEN. 17th May 1803.

2704. A grant unto JOSHUA GREEN, of Banbury, in the county of Oxford, manufacturer, for his new invented method of manufacturing corded and ribbed shags or plushes composed of different materials on a principle entirely new ; to hold to him, his exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westmr, the 17th day of May, in the year above. By writ, &c.

ROCHE. 23rd May 1803.

2705. A grant unto JAMES ROCHE, of King Street, Holborn, in the county of Middlesex, gentn, for his new invented medicine for the cure of the hooping cough ; to hold to him, his exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westmr, the 23d day of May, in the year above. By writ, &c.

GOULD. 28th May 1803.

2706. A grant unto CHESTER GOULD, of Red Lyon Street, Clerkenwell, in the county of Middlesex, gentn, for his new invented glass, on a new principle, to be used by mariners at sea, instead of the common sand glasses, when heaving the log, for the purpose of ascertaining the ships rate of sailing, and also for other uses either on land or at sea ; to hold to him, his exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westmr, the 28th day of May, in the year above. By writ, &c.

FULCHER. 28th May 1803.

2707. A grant unto THOMAS FULCHER the elder, of Ipswich, in the county of Suffolk, surveyor and builder, for his new invented water proof composition, in imitation of Portland stone, for stuccoing and washing new and old stone and brick buildings, and for cementing the joints and tucking ; to hold to him, his exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westmr, the 28th day of May, in the year above. By writ, &c.

GAMBLE. 7th June 1803.

2708. A grant unto JOHN GAMBLE, of Leicester Square, in the county of Middlesex, gentn, for his new improvements on and additions to a machine for making paper in single sheets without seam or joinings ; to hold to him,

his exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within six calendar months from the date thereof. W. H. M. at Westmr, the 7th day of June, in the year above. By writ, &c.

PECKHAM. 10th June 1803.

2709. A grant unto JOHN RANDALL PECKHAM, of White Lyon Street, Clerkenwell, in the county of Middlesex, watchmaker, for his new improvements on a lock to a musquet, fusee, carbine, fowling piece, or pistol; to hold to him, his exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westmr, the 10th day of June, in the year above. By writ, &c.

FUSSELL. 14th June 1803.

2710. A grant unto JAMES FUSSELL, of Mells, in the county of Somerset, iron manufacturer, for his new invented method of working of water wheels, raising of water, a n in a great measure preventing water wheels from being flooded, and other useful purposes; to hold to him, his exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed, for the term of fourteen years pursuant to the statute; with a clause to inroll the same within two calendar months from the date thereof. W. H. M. at Westmr, the 14th day of June, in the year above. By writ, &c.

WOOD. 14th June 1803.

2711. A grant unto JOHN WOOD, of Manchester, in the county palatine of Lancaster, machine maker, for his new improvements upon machines for spinning and reeling of cotton; to hold to him, his exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within four calendar months from the date thereof. W. H. M. at Westmr, the 14th day of June, in the year above. By writ, &c.

THOMSON. 14th June 1803.

2712. A grant unto JAMES THOMSON, of the city of Edinburgh, bell hanger, for his new invented improvements in the hanging of bells, window curtains, window and other blinds; to hold to him, his exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westmr, the 14th day of June, in the year above. By writ, &c.

HARRIOTT. HURRY. CRISPIN. 14th June 1803.

2713. A grant unto JOHN HARRIOTT, of Wapping, in the county of Middlesex, EDMUND COBB HURRY, of Gosport, in the county of Southampton, esquires, and WILLIAM CRISPIN, of Gosport aforesaid, shipwright, for their new invented and improved method of making and working windlasses; to hold to them, their exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westmr, the 14th day of June, in the year above. By writ, &c.

NEWSTEAD. 18th June 1803.

2714. A grant unto THOMAS NEWSTEAD, of Kingston-upon-Hull, in the county of York, chemist, for his new invented method of preparing barilla and kelp, and the neutral salts obtained therefrom, which will be of particular advantage in the manufacture of soap and of allum, and in bleaching; to hold to him, his exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within four calendar months from the date thereof. W. H. M. at Westmr, the 18th day of June, in the year above. By writ, &c.

STORCK. 21st June 1803.

2715. A grant unto PETER STORCK, of John Street, Tottenham Court Road, in the county of Middlesex, baker, for his new invented substitute for brewers yeast, which may be made and used in all weathers and climates; to hold to him, his exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westmr, the 21st day of June, in the year above. By writ, &c.

BROWN. 21st June 1803.

2716. A grant unto THOMAS BROWN, of Alnwick, in the county of Northumberland, whitesmith, for his new invented machine for the cutting of tobacco, tallow for tallow chandlers and soap boilers, and also for the cutting of turnips, cabbages, carrots, and other kind of roots for the feeding of cattle; to hold to him, his exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westmr, the 21st day of June, in the year above. By writ, &c.

EVERETT. 28th June 1803.

2717. A grant unto JOSEPH EVERETT, of Salisbury, in the county of Wilts, clothier, for his new invented article, manufactured of different materials, and wove in a peculiar manner, so as to give it an appearance of velvet, which he denominates, "Salisbury angola moleskin"; to hold to him, his exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendr month from the date thereof. W. H. M. at Westmr, the 28th day of June, in the year above. By writ, &c.

WOODS. 28th June 1803.

2718. A grant unto GEORGE WOODS, of Barbican, in the city of London, gentn, for his new invented method of constructing harps, harpsichords, piano fortes, violins, guitars, and other stringed musical instruments; to hold to him, his exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed, for the term of fourteen years pursuant to the statute; with a clause to inroll the same within six calendar months from the date thereof. W. H. M. at Westmr, the 28th day of June, in the year above. By writ, &c.

DUNDONALD. 28th June 1803.

2719. A grant unto ARCHIBALD Earl of DUNDONALD, for his new invented method of treating or preparing hemp and flax, so as materially to aid the operation of the tools called heckles in the division of the fibre, and which is likewise attended with other advantages; to hold to him, his exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within six calendar months from the date thereof. W. H. M. at Westmr, the 28th day of June, in the year above. By writ, &c.

WARNER. 29th June 1803.

2720. A grant unto EDWARD WARNER the younger, of Little New Street, in the city of London, brass founder, for his new invented improvement upon the air lamp, the properties whereof consist in reflecting a more general and stronger light, by means of certain valves, and a newly constructed burner; to hold to him, his exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westmr, the 29th day of June, in the year above. By writ, &c.

ROBERTS.
CATHERY.
6th July 1803.

2721. A grant unto JAMES ROBERTS, of Abbotston farm, in the county of Southampton, yeoman, and GEORGE CATHERY, of New Alresford, in the same county, gent^{n}, for their new invented method of compleatly and effectually eradicating smut from wheat; and that wheat, when cleansed by their invention, will produce flour of as good quality and value as flour made from wheat of the best growth; to hold to them, their ex̃ors, adm̃ors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inrol the same within one calendar month from the date thereof. W. H. M. at Westm^{r}, the 6th day of July, in the year above. By writ, &^{c}.

MANTON.
6th July 1803.

2722. A grant unto JOSEPH MANTON, of Davies Street, Berkeley Square, in the parish of Saint George, Hanover Square, in the county of Middlesex, gunmaker, for his new invented hammer, upon a new construction, for the locks of all kinds of fowling pieces and small arms; to hold to him, his ex̃ors, adm̃ors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westm^{r}, the 6th day of July, in the year above. By writ, &^{c}.

STUARD.
27th July 1803.

2723. A grant unto JAMES STUARD, of London Street, in the parish of S^{t} Dunstan, Stepney, in the county of Middlesex, for his new invented method to strengthen ships or floating vessels; to hold to him, his ex̃ors, adm̃ors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westm^{r}, the 27th day of July, in the year above. By writ, &^{c}.

NORTON.
28th July 1803.

2724. A grant unto JOHN NORTON, of Rolls Buildings, Fetter Lane, Fleet Street, London, mathematical instrument maker, for his new improvement in the construction of a water mill; to hold to him, his ex̃ors, adm̃ors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westm^{r}, the 28th day of July, in the year above. By writ, &^{c}.

KENTISH.
29th July 1803.

2725. A grant unto THOMAS KENTISH, of Baker Street North, Portman Square, in the county of Middlesex, esquire, for his new invented derrick, for the purpose of more expeditiously, with less labour, and at a less expence than heretofore, loading and unloading ships and vessels, removing heavy bodies in any direction, and which is also applicable to other useful purposes; to hold to him, his ex̃ors, adm̃ors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westm^{r}, the 29th day of July, in the year above. By writ, &^{c}.

WOOLF.
29th July 1803.

2726. A grant unto ARTHUR WOOLF, of Wood Street, Spa Fields, in the county of Middlesex, engineer, for his new invented apparatus for converting water or other liquids into vapour or steam, for the working of steam engines, the heating of water or other liquids; to hold to him, his ex̃ors, adm̃ors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westm^{r}, the 29th day of July, in the year above. By writ, &^{c}.

OLIVER. 3rd August 1803.

2727. A grant unto LAVER OLIVER, of Bury S^{t} Edmunds, in the county of Suffolk, upholder and cabinet maker, for his new invented dining, card, Pembroke, and other tables, upon an improved construction ; to hold to him, his ex̃ors, adm̃ors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westm^{r}, the third day of August, in the year above. By writ, &^{c}.

HALL. 3rd August 1803.

2728. A grant unto JAMES HALL, of Mellor, in the parish of Glossop, in the county of Derby, weaver, for his new invented improvement to the loom, whereby a new and cheap method of perpetually taking away the articles woven therein as they are woven is effected ; to hold to him, his ex̃ors, adm̃ors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westm^{r}, the 3^{d} day of August, in the year above. By writ, &^{c}.

GODBOLD. 3rd August 1803.

2729. A grant unto FRANCIS GODBOLD, of Crown Street, Westminster, in the county of Middlesex, dice maker, for his new invented dice ; to hold to him, his ex̃ors, adm̃ors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westm^{r}, the 3^{d} day of August, in the year above. By writ, &^{c}.

DONKIN. 3rd August 1803.

2730. A grant unto BRYAN DONKIN, of Dartford, in the county of Kent, millwright, for his new invented mode of producing a rotatory motion applicable to useful purposes ; to hold to him, his ex̃ors, adm̃ors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westm^{r}, the 3^{d} day of Aug^{t}, in the year above. By writ, &^{c}.

EDWARDS. 3rd August 1803.

2731. A grant unto JOHN EDWARDS, of Vine Street, Lambeth, in the county of Surry, engineer, for his new invented improvements in distilling, rectifying, and dying, whereby the same will be considerably accelerated and the consumption of fuel will be materially reduced ; to hold to him, his ex̃ors, adm̃ors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within six calendar months from the date thereof. W. H. M. at Westm^{r}, the 3^{d} day of Aug^{t}, in the year above. By writ, &^{c}.

LOGAN. 5th August 1803.

2732. A grant unto MICHAEL LOGAN, of Paradise Street, in the parish of S^{t} Mary, Rotherhithe, in the county of Surry, engineer, for his new invented conservative lock, for the use of inland and canal navigation ; to hold to him, his ex̃ors, adm̃ors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed, for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westm^{r}, the 5th day of August, in the year above. By writ, &^{c}.

DEMPSTER. 30th August 1803.

2733. A grant unto CATHCART DEMPSTER, of Saint Andrews, North Britain, gentleman, for his new invented improvements in the manufacture of canvas or strong cloth of vegetable materials, for sails, tents, packages, and other useful purposes ; to hold to him, his ex̃ors, adm̃ors, & assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within four calendar months, and also a clause for supplying His Majesty's

service with all such articles of the said invention as he sho^{d} be required, in such manner, upon such terms and such prices as sho^{d} be settled by the master gen^{l} of the ordnance or the comm^{rs} of the navy. W. H. M. at Westm^{r}, the 30th day of Augst, in the year above. By writ, &^{c}.

GOULD. 3rd Sept. 1803.

2734. A grant unto CHESTER GOULD, of Red Lyon Street, Clerkenwell, in the county of Middlesex, gentleman, for a new invented hydrometer, on a new principle, for the purpose of ascertaining the strength of spirits, and determining the specific gravity of fluids ; to hold to him, his ex̃ors, adm̃ors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within one calendar month, and also a clause for supplying the commissioners of excise with all such articles of the said invention as he sho^{d} be required, upon such reasonable prices and terms as shall be settled for that purpose by the said comm^{rs} of excise. W. H. M. at Westminster, the 3^{d} day of September, in the year above. By writ, &^{c}.

HAWKINS. 24th Sept. 1803.

2735. A grant unto ISAAC HAWKINS, of Bordenton, in the United States of America, now residing in King Street, Clerkenwell, in the county of Midd̃x, merchant, for his new invented machinery & methods for writing, painting, drawing, ruling lines, & other things, and for applying parts of the aforesaid machinery to other purposes ; to hold to him, his ex̃ors, adm̃ors, and assigns, within England, Wales, & the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westminster, the 24th day of September, in the year above. By writ, &^{c}.

RANSOME. 24th Sept. 1803.

2736. A grant unto ROBERT RANSOME, of Ipswich, in the county of Suffolk, iron founder, being one of the people called Quakers, for his new invented method of making and tempering cast iron plough shears and other articles of cast iron for agricultural uses ; to hold to him, his ex̃ors, adm̃ors, & ass^{s}, within England, Wales, & the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westminster, the 24th day of September, in the year above. By writ, &^{c}.

ATKINS. 31st October 1803.

2737. A grant unto ROBERT ATKINS, of Fenchurch Street, in the city of London, mathematical instrument maker, for his new invented improvements in the construction of hydrometers for ascertaining the strength of spirituous liquors; and hath invented & adapted a sliding rule of correction for temperature to the hydrometer, & made various improvements thereof ; to hold to him, his ex̃ors, adm̃ors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute ; with a clause for supplying the commissioners of excise with all such articles of the said invention as he should be required, upon such reasonable prices and terms as shall be settled for that purpose by the said commissioners of excise, and also a clause to inroll the same within six calendar months from the date thereof. W. H. M. at Westminster, the thirty-first day of October, in the year above. By writ, &^{c}.

THOMASON. 31st October 1803.

2738. A grant unto EDWARD THOMASON, of Birmingham, in the county of Warwick, button and toy manufacturer, for his new invented mode of making hearth brushes; to hold to him, his ex̃ors, adm̃ors, and assigns, within Eng^{d}, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westminster, the thirty-first day of October, in the year above. By writ, &^{c}.

HODGETTS. 8th Nov. 1803.

2739. A grant unto BOOTH HODGETTS, of Dudley, in the county of Worcester, nail ironmonger, for his new invented machinery for rolling iron for shanks, and for forming the same into shanks for nails; to hold to him, his exors, admors, and assigns, within England and Wales and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof; and also a clause for supplying Our service with all such articles of the said invention as he shall be required, upon such reasonable prices and terms as shall be settled for that purpose by the master gen[l] of our ordnance, or the principal officers of our ordnance, or by the commissioners of our navy for the time being. W. H. M. at Westminster, the eighth day of November, in the year above. By writ, &c.

YOUNGER. 12th Nov. 1803.

2740. A grant unto RICHARD YOUNGER, of Pittmans Buildings, Old Street, in the county of Middlesex, gentleman, for his new improved method of extracting werts from malt, barley, and the grains and substances; to hold to him, his exors, admors, and assigns, within England and Wales and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westminster, the 12[th] day of November, in the year above. By writ, &c.

FREEMANTLE. 17th Nov. 1803.

2741. A grant unto WILLIAM FREEMANTLE, of Bunhill Row, in the parish of Saint Luke, Old Street, in the county of Middlesex, watchmaker, for his new invented improvements in the construction of steam engines; to hold to him, his exors, admors, and assigns, within England and Wales and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within two calendar months from the date thereof. W. H. M. at Westminster, the 17[th] day of Nov[r], in the year above. By writ, &c.

BEVANS. 19th Nov. 1803.

2742. A grant unto JAMES BEVANS, of Castle Street, City Road, in the county of Middx, carpenter, being one of the society of people called Quakers, for his new invented methods of applying machinery for the purposes of more expeditiously striking or sticking mouldings, and for rabbeting, ploughing or grooving, fluting, and excavating wood in every manner now usually performed by any kind of plane; to hold to him, his exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within two calendar months from the date thereof. W. H. M. at Westminster, the nineteenth day of Nov[r], in the year above. By writ, &c.

PENTON. 19th Nov. 1803.

2743. A grant unto GEORGE PENTON, of New Street Square, in the city of London, brass founder, for his new invented improvement on lamps, commonly called Argands lamps; to hold to him, his exors, admors, and assigns, within England and Wales and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. W. H. M. at Westminster, the 19[th] day of November, in the year above. By writ, &c.

SEARLES. 3rd Dec. 1803.

2744. A grant unto JAMES STURMAN SEARLES, of Little Alie Street, Goodmans Fields, in the parish of Saint Mary, Whitechapel, and county of Middx, gunmaker, for his new invented improvement or improvements to be applied to any kind of fire arms or defensive instruments; to hold to him, his exors, admors, and assigns, within England and Wales and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date

thereof; and also with a clause for supplying His Majesty's service with all such articles of the said invention as he should be required, in such manner, upon such terms and such prices, as should be settled by the master general of the ordnance or the commissioners of the navy. By writ, &c.

WYATT. 21st Dec. 1803.

2745. A grant unto CHARLES WYATT, of New Bridge Street, in Our city of London, merchant, for his new invented process of purifying ardent spirits; to hold to him, his exors, admors, and assigns, within England and Wales and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute, and also in all Our colonies and plantations abroad; with a clause to inroll the same within six calendar months from the date thereof. By writ, &c.

CROSS. SOUTHWORTH. 31st Dec. 1803.

2746. A grant unto ROBERT CROSS, of Quakers Brook, within Houghton, in the county of Lancaster, tanner, & THOS SOUTHWORTH, of Hoghton afs, cotton manufacturer, for their new invented mode of heating such pans, vats, cisterns, and other vessels as are required to be heated by fuel, & used for working steam engines, & in the businesses of a calico printer, dyer, brewer, paper maker, bleacher, salt maker, tanner, & other such like trades; by which invention much expence will be saved, not only in the fuel to be used in the heating such vessels, but also in the constructing the vessels themselves; to hold to them, their executors, admors, and assigns, within England and Wales and the town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. By writ, &c.

WOOD. 10th Jan. 1804.

2747. A grant unto JOHN WOOD, of Manchester, in the county palatine of Lancaster, machine maker, for his new invented improvements or additions to machines for spinning cotton, silk, and wool; to hold to him, his exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. By writ, &c.

SLATER. 19th Jan. 1804.

2748. A grant unto JOHN SLATER, of Huddersfield, in the county of York, surgeon, for his new invented improved method of manufacturing and fabricating of cables, shrouds, stays, and other articles for the rigging of ships, of materials never before used for that purpose; to hold to him, his exors, admors, and assigns, within England & Wales and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause for supplying His Majesty's navy with all such articles of the said invention as he shod be required, in such manner and upon such terms and prices as shod be settled by the commissioners of the navy; and also with a clause to inroll the same within one calendar month from the date thereof. By writ, &c.

ALDERSON. 26th Jan. 1804.

2749. A grant unto GEORGE ALDERSON, of Carnaby Street, in the parish of Saint James, Westminster, in the county of Middx, lead pipe manufacturer, for his new invented manufacture of metal pipes, the same being lead lined with tin in a manner and by a process entirely new, to be used in all cases to which lead pipes are applicable; to hold to him, his exors, admors, and assigns, within England and Wales and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. By writ, &c.

THOMASON. 7th Feb. 1804.

2750. A grant unto EDWARD THOMASON, of Birmingham, in the county of Warwick, button and toy manufacturer, for his new invented improved mode of making pikes; to hold to him, his exors, admors, and assigns, within Eng-

land and Wales and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof; and also with a clause for supplying His Majesty's service with all such articles of the said invention as he sho[d] be required, in such manner, upon such terms and such prices as sho[d] be settled by the master general of the ordnance. By writ, &c.

HYMANS.
7th Feb. 1804.

2751. A grant unto MARCUS HYMANS, of Exeter Street, Covent Garden, in the county of Middx, for his new invented composition for shaving, without the use of razor, soap, or water; to hold to him, his exors, admors, and assigns, within England and Wales and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. By writ, &c.

WOLLASTON.
9th Feb. 1804.

2752. A grant unto WILLIAM HYDE WOLLASTON, of Buckingham Street, Fitzroy Square, in the county of Middx, gentleman, for his new invented improvement in spectacles, by the application of concavo convex glasses to them; to hold to him, his exors, admors, and assigns, within England and Wales and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. By writ, &c.

PASSMORE.
9th Feb. 1804.

2753. A grant unto THO[s] PASSMORE, of Doncaster, in the county of York, machine maker, for his new invented improved machine for chopping of straw, and for splitting beans, crushing oats, and grinding malt and barley; to hold to him, his exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. By writ, &c.

ROWNTREE.
23rd March 1804.

2754. A grant unto THOMAS ROWNTREE, of Great Surrey Street, in the parish of Christchurch and county of Surrey, engine maker, for his new invented machine, on an improved construction, for agitating and separating certain mixtures; to hold to him, his exors, admors, and assigns, within England and Wales and the town of Berwick upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. By writ, &c.

CRANE.
MARCH.
1st May 1804.

2755. A grant unto JOSIAH CRANE and RICHARD MARCH, of Barnestaple, in the county of Devon, hosiers, for their new invented method of double seaming and uniting the insides of stocking net work toge[r], so as to consolidate and make it one compact and elastic body, for cutting into any shape required, and converting into all or any of the articles in hosiery or other garments, or wearing apparel, to be worn double; to hold to them, their exors, admors, and assigns, within England and Wales and the town of Berwick-upon Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. By writ, &c.

MERRIMAN.
8th May 1804.

2756. A grant unto NATHANIEL MERRIMAN, of Crutched Friars, in the city of London, tin manufacturer, for his new invented stove, grate, or range, upon an improved construction, the improvement of which is likewise applicable to those already in use for the purpose of clearing away foul air from churches, chapels, and all other places of public resort, as well as houses, build[gs], and rooms of every description, which he conceives will be of public utility; to hold to him, his exors, admors, and assigns, within England and

Wales and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within one calendar month from the date thereof. By writ, &c.

BURRELL. 10th May 1804.

2757. A grant unto JOSEPH BURRELL, of Thetford, in the county of Norfolk, iron founder, for his new invented improved threshing machine ; to hold to him, his exors, admors, and assigns, within England and Wales and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within one calendar month from the date thereof. By writ, &c.

SAXELBYE. 14th May 1804.

2758. A grant unto JOHN SWIFT SAXELBYE, of the town of Derby, in the county of Derby, white lead maker, for his new invented method of making white lead different from the methods now practised or & used, without the aid of horse litter or tanners bark, or both of them ; to hold to him, his exors, admors, and assigns, within England and Wales and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within one calendar month from the date thereof. By writ, &c.

ELLIOTT. 14th May 1804.

2759. A grant unto JOSEPH MOSELEY ELLIOTT, of the parish of Saint Mary-le-Bone, in the county of Middx, watchmaker, for his new invented method of making repeaters, or repeating watches and chronometers ; to hold to him, his exors, admors, and assigns, within England and Wales and the town of Berwick upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within one calendar month from the date thereof. By writ, &c.

BROWN. 14th May 1804.

2760. A grant unto ROBERT BROWN, of the town and county of the town of Nottingham, lace manufacturer, for his new invented machine, to affix or attach to horizontal warp or vandyke knitting frames, for the purpose of manufacturing, by a more simple, neat, and expeditious method, lace or net work of various figures and qualities with thread, silk, cotton, worsted, or other materials produced from animal, vegetable, or mineral substances ; to hold to him, his exors, admors, and assigns, within England and Wales and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within one calendar month from the date thereof. By writ, &c.

DOBBS. 14th May 1804.

2761. A grant unto THOMAS DOBBS, of Kings Norton, in the county of Worcester, chemist, for his new invented article in trade, which he denominates "Albion metal," and which he applies to the making of cisterns, linings for cisterns, covering and gutters for buildings, boilers, vats, coffin furniture, worms for distillers, and such other things as require to be made of a flexible, a wholesome, or a cheap metallic substance ; to hold to him, his exors, admors, and assigns, within England and Wales and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within four calendar months from the date thereof. By writ, &c.

JOWETT. 18th May 1804.

2762. A grant unto JOSHUA JOWETT, of High Holborn, in the county of Middlesex, ironmonger, for his new invented fire guard stove ; to hold to him, his exors, admors, and assigns, within England, Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within one calendar month from the date thereof. By writ, &c.

BARTHELEMEY. SHOUBRIDGE. 18th May 1804.

2763. A grant unto JOHN PETER BARTHELEMEY, of Marshall Street, in the parish of Saint James, in the county of Middx, stay maker, & JAMES SHOUBRIDGE, of Old Bond Street, in the parish of Saint George, Hanover Square, in the said county of Middx, hatter, for their new invented shield or protection for the preservation of the human body agst sword, bayonet, or pike, as also being proof against a musket ball at a moderate distance; to hold to them, their exors, admors, and assigns, within England and Wales and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause for supplying His Majesty's service with all such articles of the said invention as they should be required, in such manner, upon such terms, and such prices as shod be settled by the master general of the ordnance, or by the commrs of the navy; and also with a clause to inroll the same within one calendar month from the date thereof. By writ, &c.

WINSOR. 18th May 1804.

2764. A grant unto FREDERIC ALBERT WINSOR, of Cheapside, London, merchant, for his new invented improved oven stove or apparatus, for the purpose of extracting inflammable air, oil, pitch, tar, and acids from and reducing into coke and charcoal all kinds of fuel, and which is also applicable to various other useful purposes; to hold to him, his exors, admors, and assigns, within England and Wales and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. By writ, &c.

SIMMONDS. 19th May 1804.

2765. A grant unto GEORGE SIMMONDS, of the parish of Saint George, in the county of Surrey, gentleman, for his new invented method of manufacturg hats, bonnets, and other useful articles of paper, and of considering the same water proof when required; to hold to him, his exors, admors, and assigns, within England and Wales and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. By writ, &c.

GODWIN. 30th May 1804.

2766. A grant unto SAMr GODWIN, of Avoncliffe, near Bradford, in the county of Wilts, clothier, for his new improvements upon machines for carding, scribling, dressing, and brushing wool and woollen cloth; to hold to him, his exors, admors, and assigns, within England and Wales and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. By writ, &c.

LUCAS. 30th May 1804.

2767. A grant unto SAMUEL LUCAS, of Sheffield, in the county of York, refiner, for his new invented method of separating the impurities from crude or cast iron without fusing or melting it, and of rendering the same malleable and proper for the sevl purposes for which forged or rolled iron is now used; and also by the same method of improving articles manufactured of cast iron, and thereby rendering cast or crude iron applicable to a variety of new and useful purposes; to hold to him, his exors, admors, and assigns, within England and Wales and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. By writ, &c.

PORTER. 30th May 1804.

2768. A grant unto JOHN PORTER, of Lemonville, near Tandragee, in the county of Armagh, in that part of the united kingdom called Ireland, gentleman, for his new invented lamp, upon a new construction; to hold to him, his exors, admors, and assigns, within England and Wales and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. By writ, &c.

DUNCAN. 30th May 1804.

2769. A grant unto JOHN DUNCAN, manufacturer in Glasgow, for his improved method or means of tambouring or raising of flowers, figures, or other ornaments upon muslins, lawns, and other cottons, cloths, or stuffs, or upon silk, linen, or woollen cloths or stuffs, or upon cloths or stuffs composed partly of silk, flax, cotton, or woollen; to hold to him, his exors, admors, and assigns, within England and Wales and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. By writ, &c.

HEPPENSTALL. 2nd June 1804.

2770. A grant unto JOHN HEPPENSTALL, of Doncaster, in the county of York, machine maker and engineer, for his new invented improvements in machinery or mill spinning, for the spinning of cotton, wool, silk, hemp, flax, substitutes for hemp and flax, and for the laying or twisting cord, lines, twine, and thread; to hold to him, his exors, admors, and assigns, within England and Wales and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within 6 calendar months from the date thereof. By writ, &c.

JOHNSON. 2nd June 1804.

2771. A grant unto THOMAS JOHNSON, late of Bredbury, but now of Stockport, in the county palatine of Chester, weaver, for his certain addition and improved method, applicable to the dressing of cotton warp; and also the said new and improved method if and when the same shall be used for dressing linen, silk, or woollen warps; to hold to him, his exors, admors, and assigns, within England and Wales and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within four calendar months from the date thereof. By writ, &c.

WOOLF. 7th June 1804.

2772. A grant unto ARTHUR WOOLF, of Wood Street, Spa Fields, in the county of Middx, engineer, for his new invented improvements in the construction of steam engines; to hold to him, his exors, admors, and assigns, within England and Wales and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. By writ, &c.

BENTLEY. 19th June 1804.

2773. A grant unto TIMOTHY BENTLEY, of Lockwood, in the parish of Almondbury, in the county of York, common brewer, for his new invented method of seasoning new casks and purifying musty ones, in a style far superior to any other; to hold to him, his exors, admors, and assigns, within England and Wales and the town of Berwick-upon-Tweed, for the term of fourteen yrs pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. By writ, &c.

PYKE. 20th June 1804.

2774. A grant unto LYON PYKE, of No 8, Colchester St, Whitechapel, in the coy of Middx, pencilmaker, for his new invented improvements on pencils, which he intends to denominate "Pyke's patent improved pencils"; to hold to him, his exors, admors, and assigns, within England and Wales and the town of Berwick-upon-Tweed for the term of fourteen yrs pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. By writ, &c.

MARTIN. 23rd June 1804.

2775. A grant unto EDWARD MARTIN, of Morriston, in the coy of Glamorgan, gent., for his new method of making pig and cast iron, of every description, from iron stone, iron mine, and iron ore; and of remelting, preparing, and refining of pig and cast iron of every sort; and for the making of such pig and cast iron into wrought or bar iron, by using raw stone, coal, and culm, to be worked and made by blast; to hold to him, his exors admors. &

ass^{s}, within England and Wales and the town of Berwick-upon-Tweed for the term of fourteen y^{rs} pursuant to the statute ; with a clause to inroll the same within one calendar month from the date thereof. By writ, &c.

HAWKS. 2nd July 1804. **2776.** A grant unto WILLIAM HAWKS the yo^{r}, of Gateshead, in the county of Durham, iron manufacturer, for his new invented sundry improvements in constructing and making chains, for the use of mines and other purposes ; to hold to him, his ex̃ors, adm̃ors, and assigns, within England and Wales and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within 6 calendar months from the date thereof. By writ, &c.

BROWN. 4th August 1804. **2777.** A grant unto JOHN BROWN, of the town and county of Poole, in the county of Dorset, merchant, for his new invented improvements in the wheels of carriages, applicable also to windlasses, capstans, and various other useful purposes ; to hold to him, his ex̃ors, adm̃ors, and assigns, within England and Wales and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within one calendar month from the date thereof ; and also with a clause for supplying His Majesty's service with all such articles of the said invention as he should be required, upon such terms and prices as sho^{d} be settled by the mas^{r} gen^{l} of the ordnance or by the commissioners of the navy. By writ, &c.

PETHER. 4th August 1804. **2778.** A grant unto WILLIAM PETHER, of the parish of S^{t} Michaels, in the city of Bristol, for his new invented certain methods, on a new principle, either for preventing or for curing smoakey chimnies ; to hold to him, his ex̃ors, adm̃ors, and assigns, within England and Wales and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within one calendar month from the date thereof. By writ, &c.

WARRIS. 4th August 1804. **2779.** A grant unto WILLIAM WARRIS, of Sheffield, in the county of York, optician, for his new invented improvement in the mounting of glasses, commonly called opera glasses ; to hold to him, his ex̃ors, adm̃ors, and assigns, within England and Wales and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within one calendar month from the date thereof. By writ, &c.

GREAVES. 4th August 1804. **2780.** A grant unto EDWARD GREAVES, of Sheffield, in the county of York, razor manufacturer, for his new invented improvements on razors ; to hold to him, his ex̃ors, adm̃ors, and assigns, within England and Wales and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within one calendar month from the date thereof. By writ, &c.

CHIFNEY. 14th Sept. 1804. **2781.** A grant unto BARKER CHIFNEY, of London, gent., for his new invented composition, to be used in washing, in order to render muslins and linens beautifully white, and for other purposes ; to hold to him, his ex̃ors, adm̃ors, and assigns, within England and Wales and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within 6 calendar months from the date thereof. By writ, &c.

BYWATER. 14th Sept. 1804. **2782.** A grant unto JOHN BYWATER, of the town and county of the town of Nottingham, for his new improved method of clothing and unclothing the sails of windmills while in motion, provided they are made after the Dutch manner or as the generality of windmill sails are constructed, by wch the mill may be clothed, either in whole or in part, in an easy and expeditious

manner, by a few revolutions of the sails, whe^{r} they are going fast or slow, leaving the surface smooth, even, and regular in breadth from top to bottom; and in like manner the cloth or any part thereof may be rolled or folded up to the whip at pleasure, by machinery simple and durable, that may be fixed up in a few days at a comparatively easy expence, requiring very little alteration of any part of the mill, and is equally applicable to any old sails on the common construction, however warped or bosomed, without the necessity of having new cloths; to hold to him, his ex̃ors, adm̃ors, & assigns, within England and Wales and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. By writ, &^{c}.

HANCOCK. 14th Sept. 1804.

2783. A grant unto JOHN GREGORY HANCOCK, of Birmingham, in the county of Warwick, die engraver, for his new invented method of forcing or working the bolts of presses or of engines used for the purpose of cutting, pressing, and squeezing of metals, horn, tortoiseshell, leather, paper, and other substances; to hold to him, his ex̃ors, adm̃ors, and assigns, within England and Wales and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within six calendar months from the date hereof. By writ, &^{c}.

HUDDART. 21st Sept. 1804.

2784. A grant unto JOSEPH HUDDART, of Highbury Terrace, in the parish of Islington, in the county of Midd̃x, esq^{r}, for his new invented mode or art of manufacturing and spinning yarn, different from any such now in use; to hold to him, his ex̃ors, adm̃ors, and assigns, within England and Wales and the town of Berwick-upon-Tweed, and our colonies and plantations abroad, for the term of fourteen years pursuant to the statute; with a clause to inroll the same within 6 calendar months from the date thereof. By writ, &^{c}.

SCARTH. 21st Sept. 1804.

2785. A grant unto MICHAEL SCARTH, of Castle Eden, in the county of Durham, sail cloth manufacturer, for his new invented method of manufacturing sail cloth with single or double thread warp, without starch or any substitute for stiffening, and without the double threads being twisted together; to hold to him, his ex̃ors, adm̃ors, and assigns, within England and Wales and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof; and also with a clause for supplying His Majesty's service with all such articles of the said invention as should be required, upon such terms and prices as sho^{d} be settled by the comm^{rs} of the navy. By writ, &^{c}.

FRITH. 3rd October 1804.

2786. A grant unto ROBERT FRITH, of Broughton, in the county of Lancaster, dyer, for his new invented method of dying cotton wool, cotton twist, cotton weft, and cotton cloth of a nankeen colour and of a buff colour; to hold to him, his ex̃ors, adm̃ors, and assigns, within England and Wales and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. By writ, &^{c}.

PORTHOUSE. 6th October 1804.

2787. A grant unto THO^{s} PORTHOUSE, of Hall Garth, in the parish of Haughton-le-Skern, in the county of Durham, flax spinner, for his new invented machine for hackling flax and hemp, and at the same time carding the tow; to hold to him, his ex̃ors, adm̃ors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. By writ, &^{c}.

CALDWELL. HEATHCOTE. 17th October 1804.

2788. A grant unto SAM[r] CALDWELL, of Hathern, in the county of Leicester, frame smith, and JOHN HEATHCOTE, late of the town and county of Nottingham, but now of Hathern afs[d], frame setter-up, for their new invented machinery and apparatus, to be attached or annexed to certain frames or machines called or known by the name of warp frames, whereby these frames will work, make, or manufacture all kinds of thread lace; to hold to them, their ex̃ors, adm̃ors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. By writ, &[c].

BENNETT. 20th October 1804.

2789. A grant unto SAMUEL BENNETT, of Sheffield, in the county of York, cutler, for his new invented mode of making or casting razors in a new and improved form; to hold to him, his ex̃ors, adm̃ors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. By writ, &[c].

NOON. 30th October 1804.

2790. A grant unto THO[s] NOON, of Burton-upon-Trent, in the county of Stafford, for his new invented thrashing machine, with loose beaters; to hold to him, his ex̃ors, adm̃ors, and assigns, within that part of our kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. By writ, &[c].

BUFFINGTON. 30th October 1804.

2791. A grant unto JACOB BUFFINGTON, of the city of Bristol, gentleman, for his new invented method of straining or stretching (technically called habiting) all kinds of woollen cloth for cropping or shearing, & for straining all other kinds of piece goods; to hold to him, his ex̃ors, adm̃ors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. By writ, &[c].

RAINES. 22nd Nov. 1804.

2792. A grant unto ROB[r] RAINES the yo[r], of the town and port of Hull, in the county of York, tanner and glue manufacturer, for his new invented method of making and manufacturing of hard glue from tail, fins, and other parts of whale fish; to hold to him, his ex̃ors, adm̃ors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. By writ, &[c].

CLAYFIELD. 22nd Nov. 1804.

2793. A grant unto WILLIAM HENRY CLAYFIELD, of the city of Bristol, wine merch[t], for his new invented method of finding out of certain processes for separating the alkalis of pot ash and of soda from their sulphrates or vitriolic salts, and from their sulphurets or combinations with sulphur, as in soapers black ash and other similar compounds; to hold to him, his ex̃ors, adm̃ors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. By writ, &[c].

SHARPLES. 24th Nov. 1804.

2794. A grant unto JAMES SHARPLES, of the city of Bath, in the county of Somerset, esq[r], for his new invented certain combinations and arrangements

of implements and mechanical powers, and certain principles and forms of tables used for surveying; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. By writ, &c.

EDWARDS. 4th Dec. 1804.

2795. A grant unto JOHN EDWARDS, of Bow Street, Covent Garden, in the county of Middx, currier & harness maker, for his new invented improvements in fire places, calculated to save fuel, give a more genl heat, & prevent chimnies from smoaking; to hold to him, his exors, admors, & asss, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. By writ, &c.

GREGSON. 4th Dec. 1804.

2796. A grant unto MATTHEW GREGSON, of Liverpool, upholder, for his new invented method of cleansing feathers for beds, and hair, wool, down, and other the natural covering of birds and animals from their animal oil, in the most perfect manner, & in such a way as to render them more healthful, sweet, and pleasant for use; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within six calendar months from the date thereof. By writ, &c.

PASQUIER. 19th Dec. 1804.

2797. A grant unto STEPHEN PASQUIER, of Wilderness Row, Charter House Square, in the county of Middx, professor of languages, for his new invented manufacture, system, or method of writing, printing, engraving, drawing, painting, stamping, working, and using certain characters, figures, instruments, and machines for facilitating correspondence and other literary operations; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed, and also in our colonies and plantations abroad, for the term of fourteen years pursuant to the statute; with a clause to inroll the same within six calendar months from the date thereof. By writ, &c.

VAN DOORNICK. 19th Dec. 1804.

2798. A grant unto Wm EVERHARD Baron VAN DOORNIK, of Wells Street, in the county of Middx, for his new invented certain compositions, formed by uniting an absorbent or detergent earth with other ingredients, so as to render the same more effectual in washing or scouring, and for various purposes to which soaps or detergent earths are now applied; to hold to him, his exors, admors, & assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within four calendar months from the date thereof. By writ, &c.

MAYER. 19th Dec. 1804.

2799. A grant unto JOSEPH WICKHAM MAYER, of Soho Square, in the county of Middx, esqr, for his new invented improvements upon bitts of bridles; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof; and also with a clause to supply His Majesty's service with all such articles of the said invention as shall be required by the master genl of our ordnance for the time being. By writ, &c.

GUPPY. 19th Dec. 1804.

2800. A grant unto SAM[L] GUPPY, of the city of Bristol, merchant, for his new invented additions to and improvements on machines for cutting, heading, and finishing nails, and the mode of working thereof; to hold to him, his ex̃ors, adm̃ors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. By writ, &[c].

HOUGHAM. 19th Dec. 1804.

2801. A grant unto SOLOMON HOUGHAM, of Aldersgate S[t], in the city of London, goldsmith, for his new invented spring clasps, for buckles, lockets, and other ornaments of dress; to hold to him, his ex̃ors, adm̃ors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. By writ, &[c].

MARGRAVE. 19th Dec. 1804.

2802. A grant unto THO[S] MARGRAVE, of the parish of Saint Mary, Whitechapel, in the county of Midd[x], silk throwster, for his new invented mills and machinery, upon a new or improved construction, for throwing, spinning, doubling, and twisting silk thread, cotton thread, flax thread, hemp thread, and all such other articles as usually are or may be thrown, spun, doubled, or twisted; to hold to him, his ex̃ors, adm̃ors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. By writ, &[c].

GOVER. 19th Dec. 1804.

2803. A grant unto JOHN GOVER, of Rotherhithe, in the county of Surry, gun carriage maker, for his new invented certain improvements and additions to the construction of a certain carriage for all sorts of cannon; to hold to him, his ex̃ors, adm̃ors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof; and also with a clause to supply His Mãty's service with all such articles of the said inv[n] as shall be required by the mas[r] gen[l] of our ordnance and comm[rs] of our navy for the time being. By writ, &[c].

WILLCOX. 19th Dec. 1804.

2804. A grant unto RICHARD WILLCOX, of the city of Westm[r], engineer, for his new invented machinery for more expeditiously cutting, stripping, or plucking the various furs of beavers, seals, wool, hair, &[c], from the various skins now cut, plucked, or stripped by hand, & for sundry methods of preparing and cleansing the said skins; to hold to him, his ex̃ors, adm̃ors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within 6 calendar months from the date thereof. By writ, &[c].

STEERS. 19th Dec. 1804.

2805. A grant unto EDWARD STEERS, of the Inner Temple, London, esq[r], for his new invented engine, producing a force by the impetus which the parts of a fluid body have to an equal altitude, applicable to the work[s] of all sorts of machinery; to hold to him, his ex̃ors, adm̃ors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. By writ, &[c].

UNDERDOWN. 21st Dec. 1804.

2806. A grant unto ABRAHAM UNDERDOWN, of the parish of Eling, in the county of Southampton, gent., for his new invented method of making flour without grain ; to hold to him, his exors, admors, & assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within one calendar month from the date thereof. By writ, &c.

SHORTER. 16th Jan. 1805.

2807. A grant unto EDWARD SHORTER, of New Crane, Wapping, in the county of Middlesex, mechanic, for his new invented mechanical apparatus, by which the raising of ballast is rendered more easy, cheap, & expeditious, and which may also be applied to other usual purposes ; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause for supplying His Majesty's service with all such articles of the said invention as should be required, upon such terms and prices as shod be settled by the commrs of the navy, or the master, wardens, and assistants of the Trinity; and also with a clause to inroll the same within 3 calendar months from the date thereof. By writ, &c.

LESTER. 16th Jan. 1805.

2808. A grant unto WILLIAM LESTER, of Piccadilly, in the county of Middx, engineer, for his new invented certain improvement on an engine or machine for separating corn, seeds, and pulse from the straw and chaff; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed, for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within four calendar months from the date thereof. By writ, &c.

CHIFNEY. 16th Jan. 1805.

2809. A grant unto SAML CHIFNEY, of Newmarket, in the county of Suffolk, rider, for his invented certain improvements upon bitts of bridles ; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof; and also with a clause for supplying His Majesty's service with all such articles of the said invention as should be required, upon such terms and prices as shod be settled by the master genl of our ordnance. By writ, &c.

KEDDIE. 19th Jan. 1805.

2810. A grant unto THOMAS HAMILTON KEDDIE, of Duke Street, Grosvenor Square, in the county of Middx, sadler, for his new invented cartouch box, or receptacle for cartridges of gunpowder, or gunpowder and ball, for charging musquetry or artillery, or any other description of fire arms ; to hold to him, his exors, admors, & assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause for supplying His Majesty's service with all such articles of the said invention as shod be required, upon such terms and prices as shod be settled by the mastr genl of our ordnance and the commrs of the navy for the being ; and also with a clause to inroll the same within one calendar month from the date thereof. By writ, &c.

THUNDER. 23rd Jan. 1805.

2811. A grant unto EDWARD THUNDER, of Brighthelmstone, in the county of Sussex, gent., for his new invented improved mode or method of keeping in tune certain musical instruments called piano fortes, grand piano fortes,

harpsichords, spinnets, and other stringed instruments; to hold to him, his executors, admñors, & assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. By writ, &c.

Lucas. 23rd Jan. 1805.

2812. A grant unto John Robert Lucas, of Charlton House, in the county of Somerset, esqr, for his new invented improvement in the art or method of making, spreading, or flatting sheet glass, commonly called German sheet glass, plate glass, or any other spread glass requiring a polished surface; to hold to him, his exors, admñors, & assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within four calendar months from the date thereof. By writ, &c.

Jones. 23rd Jan. 1805.

2813. A grant unto John Jones, of the city of Chester, chymist, for his new invented liquor for printing and dying of cotton, linen, or woollen; to hold to him, his exors, admñors, & assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. By writ, &c.

Möllerston. 23rd Jan. 1805.

2814. A grant unto Chas Frederic Möllerston, of Hackney Wick, in the county of Middx, gent., for his invented chemical composition, and method of applying the same in the preparation of hides, skins, and leather, silks, taffetas, and linen, and to all articles already made of skins and leather; thereby colouring and giving a beautiful gloss to the same, rendering them waterproof and impenetrable to hot or corroding liquors, and at the same time preserving them from decay, and keeping them soft and pliable; to hold to him, his exors, admñors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. By writ, &c.

Thompson. 23rd Jan. 1805.

2815. A grant unto Simeon Thompson, of Red Cross Wharf, Upper Thames Street, in the city of London, coal merchant, for his invented bushel or bushels, and other measures, upon a new construction, for measuring coals, grain, seed, and other dry measurable commodities; to hold to him, his exors, admñors, & assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. By writ, &c.

Barrett. 29th Jan. 1805.

2816. A grant unto James Barrett, of Safforn Walden, in the county of Essex, smith and ironmonger, for his invented improvement in the construction of malt kilns, so as to prevent damages from fire, and to save fuel in the drying of malt; to hold to him, his exors, admñors, & assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. By writ, &c.

HEPPENSTALL. 5th Feb. 1805.

2817. A grant unto JOHN HEPPENSTALL, of Doncaster, in the county of York, machine maker and engineer, for his improvements in slivering & preparing hemp, flax, and substitutes for hemp and flax previous to the operation of spinning; to hold to him, his exors, admors, & assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within six calendar months from the date thereof; and also with a clause for supplying His Majesty's service with all such articles of the said invention as shod be required, upon such terms and prices as should be settled by the master general of our ordnance, and the commissioners of our navy for the time being. By writ, &c.

HACKWOOD. 5th Feb. 1805.

2818. A grant unto WILLIAM HACKWOOD the yor, of Shelton, in the county of Stafford, potter, for his method of making windows and lights upon new principles; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. By writ, &c.

BALL. 5th Feb. 1805.

2819. A grant unto JOHN BALL, of the city of Norwich, engineer, for his invented improvements in a machine for thrashing corn and pulse; to hold to him, his exors, admors, and assigns, within that part of our kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. By writ, &c.

FULLARTON. 9th Feb. 1805.

2820. A grant unto JAMES FULLARTON, surgeon in our navy, for his invented diving machine or apparatus, upon an improved construction, applicable to various useful purposes; to hold to him, his exors, admors, and assigns, within that part of our kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof; and also with a clause for supplying our service with all such articles of the said invention, upon such prices and terms as shod be settled by the commrs of the navy for the time being. By writ, &c.

PERKINS. 9th Feb. 1805.

2821. A grant unto CHRISTOPHER PERKINS, of Stockton, in the county of Durham, builder, for his invented machine for thrashing corn and pulse; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. By writ, &c.

RYAN. 12th Feb. 1805.

2822. A grant unto JAMES RYAN, of Doonane, in the Queen's County, in that part of our united kingdom of Great Britain and Ireland called Ireland, engineer to the undertakers of the Gravel Canal, for his invented sundry tools, implements, or apparatus for boring the earth for coal and all kinds of minerals and subterranean substances, by which the different strata may be cut out, in a cheap & expeditious manner, in coves or cylinders of from 1 inch to 20 inches and upwards in length, and from 2 inches to 20 inches and upwards in diameter, so as to be taken up entire at any depth that has hitherto

been bored, by which not only the quality of such minerals and substances, but also the declination or dip of the strata can be ascertained beyond a possibility of mistake, and which tools, implements, or apparatus are also advantageously applicable to the purpose of sinking for wells and giving vent to subterraneous water in bogs, and draining mines and grounds, and ventilating pits, and other beneficial purposes ; to hold to him, his exors, admors, & assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within one calendar month from the date thereof. By writ, &c.

Coe.
12th Feb. 1805.

2823. A grant unto Charles Coe, of the parish of Saint Mary, Whitechapel, in the county of Middx, baker, for his invented flue, upon an improved construction, applicable to the heating ovens or any other thing that requires an uniform heat ; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within one calendar month from the date thereof. By writ, &c.

Martin.
19th Feb. 1805.

2824. A grant unto William Martin, of Howden Pans, in the county of Northumberland, rope maker, for his invented new and improved mode of fastening shoes to the feet of men, women, and children ; to hold to him, his exors, admors, & assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within one calendar month from the date thereof. By writ, &c.

Dodd.
28th Feb. 1805.

2825. A grant unto George Dodd, of Great Ormond Street, in the county of Middx, engineer, for his invented improvements on the Royal York gun lock, other gun locks, and the locks of all description of fire arms; to hold to him, his exors, admors, & assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within one calendar month from the date thereof ; and also with a clause for supplying His Majesty's service with all such articles of the said invention, upon such terms & prices as shall be settled for that purpose by the principal officers of our ordnance for the time being. By writ, &c.

Irving.
Lovi.
9th March 1805.

2826. A grant unto John Robert Irving, of the city of Edinburgh, advocate, and Isabell Lovi, of the city of Edinburgh afsd, worker in glass, for their invented improved apparatus for determining the specific gravity of fluid bodies, and the relation that their weight bears to a given measure ; to hold to them, their exors, admors, & assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed, and also in all our colonies and plantations abroad, for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within six calendar months from the date thereof. By writ, &c.

Denize.
9th March 1805.

2827. A grant unto John Baptiste Denize, of West Street, Somers Town, in the county of Middx, chemist, for his invented new mode of procuring a greater quantity of resinous, bituminous, & oily substances from various articles ; to hold to him, his exors, admors, & assigns, within

that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within six calendar months from the date thereof. By writ, &c.

BLAIR. 9th March 1805.

2828. A grant unto ARCHIBALD BLAIR, of Bayford, in the county of Herts, esqr, for his new invented method of retaining cotton and other elastic substances (when pressed) by means of wrappers; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain & Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed, and in our plantations, islands, and colonies abroad, for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. By writ, &c.

BELL. 9th March 1805.

2829. A grant unto WILLIAM BELL, of the town of Derby, engineer, for his invented improved method of manufacturing blanks or moulds for knife, razor, and scissar blades, and various other edge tools, and of forks, files, and nails; to hold to him, his exors, admors, & assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. By writ, &c.

JONES. 23rd March 1805.

2830. A grant unto THOMAS JONES, of Bilston, in the county Stafford, japanner, for his invented compositions for the purpose of making trays, waiters, and various other articles, and new modes or methods of manufacturing the same; that is to say, by presses or stamps; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. By writ, &c.

BRANDON. 26th March 1805.

2831. A grant unto RICHARD BRANDON the elder, of Lucas St, in the parish of St Mary, Rotherhithe, in thec oy of Surrey, for his invented composition, from British herbs and plants, for the cure of the evil, scrophula, scurvy, leprosy, gout, rheumatism, & wch he has denominated and called Brandon's British constitutional pills and liquid and botanic ointment, and wch, in upwards of 3000 cases, has been attended with the most unparalleled success in the course of the last nine months; to hold to him, his exors, admors, & assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen yrs pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. By writ, &c.

HORNBLOWER. 26th March 1805.

2832. A grant unto JONATHAN HORNBLOWER, of the borough of Penryn, in the county of Cornwall, engineer, for his invented steam wheel or engine for raising water, and for various other useful purposes in arts and manufactures, by means of steam; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. By writ, &c.

ARNOLD. 26th March 1805.

2833. A grant unto STUART ARNOLD, of Wakefield, in the county of York, gent., for his invented chimney safe guard for the preservation of houses and buildings from fire, robbery, and foul air; to hold to him, his exors,

admõrs, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. By writ, &c.

BOND. 26th March 1805.

2834. A grant unto GEO. ALEXANDER BOND, of Hatton Garden, in the parish of Saint Andrew, Holborn, in the county of Middlesex, gent., for his invented certain improvements in the construction of clocks and other time pieces, whereby they are rendered of much greater utility and service, both by sea and land, than any heretofore made use of; to hold to him, his exors, admõrs, & assigns, within that part of our united kingdom of Great Britain and Ireland called England, dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof; and also with a clause for supplying His Mãty's service with all such articles of the said invention as shall be required by the master gen^{l} of our ordnance and the comm^{rs} of our navy for the time being. By writ, &c.

RIDER. 26th March 1805.

2835. A grant unto JOB RIDER, of Belfast, in the county of Antrim, in that part of the united kingdom called Ireland, clock and watch maker, for his invented certain improvements on the steam engine; to hold to him, his exors, admõrs, and assigns, within that part of our united kingdom of Great Britain & Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within four calendar months from the date thereof. By writ, &c.

EARLE. 26th March 1805.

2836. A grant unto WILLIS EARLE, of Liverpool in the county of Lancaster, merch^{t}, for his invented improvements in the mode of constructing and working steam engines; to hold to him, his exors, admõrs, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within 4 calendar months from the date thereof. By writ, &c.

WRIGHT. 30th March 1805.

2837. A grant unto Sir GEORGE WRIGHT, of Ray Lodge, in the county of Essex, bar^{t}, for his invented instrument or machine for cutting out of solid stone, wood, or other materials, pillars or tubes, either cylindrical or conical, with great saving of labor and materials; to hold to him, his exors, admõrs, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. By writ, &c.

JUBB. 5th April 1805.

2838. A grant unto RICHARD JUBB, of Bridge Row, in the parish of Saint George, Hanover Square, in the county of Middx, whitesmith, for his invented certain improvements in making and tuning the musical instrument called the pedal harp, by which the half and quarter note is produced thereon with peculiar sweetness and harmony, and the further addition of an harmonic stop made thereto; and also certain improvements in tuning the violin and other stringed instruments; to hold to him, his exors, admõrs, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. By writ, &c.

DODD. 18th April 1805.

2839. A grant unto BARRODALL ROBERT DODD, of Change Alley, in the city of London, civil engineer, for his invented various improvements in the construction of fire places, and adapting stoves & grates thereto; to hold to him, his exors, administrators, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within four calendar months from the date thereof. By writ, &c.

BRAMAH. 25th April 1805.

2840. A grant unto JOSEPH BRAMAH, of Pimlico, in the county of Middx, engineer, for his invented sundry improvements in the art of making paper; to hold to him, his exors, admors, and assigns, within that part of our kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within 3 calendar months from the date thereof. By writ, &c.

ROWNTREE. 25th April 1805.

2841. A grant unto THOMAS ROWNTREE, of the parish of Christchurch, in the county of Surry, engine maker, for his invented axletree and box for carriages, on an improved construction; to hold to him, his exors, admors, and assigns, within that part of our kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof; and also with a clause for supplying His Mãty's service with all such articles of the said invention as shall be required by the master general of our ordnance or the commrs of our navy for the time being. By writ, &c.

HOBSON. SYLVESTER. 29th April 1805.

2842. A grant unto CHARLES HOBSON, of Sheffield, in the county of York, plater, and CHARLES SYLVESTER, of the same place, chymist, for their invented method of manufacturing the metal called zinc into wire, and into vessels and utensils for culinary and other purposes; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. By writ, &c.

SLATER. 2nd May 1805.

2843. A grant unto JOHN SLATER, of Liverpool, in the county palatine of Lancaster, gent., for his invented certain improvements upon sawing mills, or machines for sawing all kinds of timber; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within four calendar months from the date thereof; and also with a clause for supplying His Majesty's service with all such articles of the said invention as shall be required by the masr genl of our ordnance and commrs of our navy for the time being. By writ, &c.

BRUNEL. 7th May 1805.

2844. A grant unto MARC ISAMBARD BRUNEL, of Portsea, in the county of Hants, gent., for his invented saws and machinery, upon an improved construction, for sawing timber in an easy and expeditious manner; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof; and also with a clause for supplying His Majesty's

service with all such articles of the said invention as shall be required by the masr genl of our ordnance and commrs of our navy for the time being.
By writ, &c.

EDWARDS. 7th May 1805.

2845. A grant unto JOHN EDWARDS, of the parish of Saint Paul, Covent Garden, in the county of Middx, currier and harness maker, for his invented certain improvements on bridles ; to hold to him, his exors, admors, & assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within one calendar month from the date thereof; and also with a clause for supplying His Majesty's service with all such articles of the said invention as shall be required by the masr genl of our ordnance for the time being. By writ, &c.

ELLIOTT. 11th May 1805.

2846. A grant unto OBADIAH ELLIOTT, of the parish of Saint Mary, Lambeth, in the county of Surry, coachmaker, for his invented certain improvements in the construction of coaches, chariots, baroush landaws, and various other four-wheel carriages ; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within one calendar month from the date thereof. By writ, &c.

EDWARDS. 14th May 1805.

2847. A grant unto JOHN EDWARDS, of the parish of Saint Paul, Covent Garden, in the county of Middx, currier and harness maker, for his invented machine or apparatus, upon an improved construction, for the purpose of preventing persons being drowned, which he denominates "the life buoy ;" to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within one calendar month from the date thereof. By writ, &c.

HORROCKS. 14th May 1805.

2848. A grant unto WILLIAM HORROCKS, of Stockport, in the county of Chester, cotton manufacturer, for his invented further improvement to a machine for the weaving of cotton and other goods by hand, steam, water, or other power; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within four calendar months from the date thereof. By writ, &c.

HOBSON. SYLVESTER. MOORHOUSE. 18th May 1805.

2849. A grant unto CHARLES HOBSON, of Sheffield, in the county of York, silver plater, CHARLES SYLVESTER, of the same place, chemist, and JOHN MOORHOUSE, of Sheffield aforesaid, surgeon, for their discovered method of sheathing ships, roofing houses, and lining water spouts with a material not heretofore used for those purposes; to hold to them, their exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within one calendar month from the date thereof ; and also with a clause for supplying His Majesty's service with all such articles of the said invention as shall be required by the commrs of the navy for the time being.
By writ, &c.

PIDGEON. 18th May 1805.

2850. A grant unto THOS PIDGEON, of the parish of St Pancras, in the county of Middx, gent., for his invented saddle, upon an improved construction ; to hold to him, his exors, admors, and assigns, within that part of our united

kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within one calendar month from the date thereof ; and also with a clause for supplying His Majesty's service with all such articles of the said invention as shall be required by the mas^{r} gen^{l} of ordnance for the time being. By writ, &c.

STANSBURY. 18th May 1805.

2851. A grant unto ABRAHAM OGIER D. STANSBURY, of the city of New York, in the United States, for his invented locks and keys upon an improved construction ; to hold to him, his ex̃ors, adm̃ors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within one calendar month from the date thereof ; and also with a clause for supplying His Majesty's service with all such articles of the said invention as shall be required by the mas^{r} gen^{l} of our ordnance and comm^{rs} of our navy for the time being. By writ, &c.

BEVANS. 27th May 1805.

2852. A grant unto JOHN BEVANS, of Little Queen Street, Lincolns Inn Fields, in the county of Middx, carpenter and joiner, for his invented window frame and sashes, (upon a principle wholly new,) applicable to frames and sashes already made as to new ones, which conceal the sash lines and exclude the air ; to hold to him, his ex̃ors, adm̃ors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within one calendar month from the date thereof. By writ, &c.

BLUNT. 27th May 1805.

2853. A grant unto JOHN BLUNT, of the borough of Warwick, in the county of Warwick, surgeon, for his invented improvement to stirrups now in use, which is to be fixed thereto, and by means of which, whenever the stirrup happens to be in a reversed direction by a horseman falling from his horse, the stirrup will immediately fall from the leather by which the same is suspended ; to hold to him, his ex̃ors, adm̃ors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within one calendar month from the date thereof. By writ, &c.

MILLER. 27th May 1805.

2854. A grant unto SAMUEL MILLER, of the parish of S^{t} Pancras, in the county of Middx, engineer, for his invented improvement upon and machinery to be attached to coaches and various other carriages, for the better accommodation of passengers ; to hold to him, his ex̃ors, adm̃ors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within one calendar month from the date thereof. By writ, &c.

STEVENS. 31st May 1805.

2855. A grant unto JOHN COX STEVENS, of New York, North America, but now residing in New Bond Street, in the county of Middx, gentleman, for his new method of generating steam ; to hold to him, his ex̃ors, adm̃ors, and ass^{s}, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within one calendar month from date thereof. By writ, &c.

BRODIE. 31st May 1805.

2856. A grant unto ALEXANDER BRODIE, of Carey Street, in the liberty of the Rolls and county of Middx, ironmaster and founder, for his improved method of making steam engine boilers, and steam boilers for various other

purposes, and of constructing the flue for conveying the heat to the same, whereby the consumption of fuel is considerably lessened; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. By writ, &c.

COWAN. 11th June 1805.

2857. A grant unto MALCOLM COWAN, of Gloucester Place, Portman Square, in the county of Middx, commander in our royal navy, for his invented certain improvements in the construction of sails for ships and vessels of all descriptions; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed, and also in all our colonies and plantations abroad, for the term of fourteen years pursuant to the statute; with a clause to inroll the same within six calendar months from the date thereof; and also with a clause for supplying His Majesty's service with all such articles of the said invention as shall be required by the commrs of our navy for the time being. By writ, &c.

BARBER. 14th June 1805.

2858. A grant unto ROBt BARBER, of Bilborough, in the county of Nottingham, gent., for his new and improved modes of making and shaping stockings and pieces, and also some new and improved kinds of stocking stitch and warp work; to hold to him, his exors, admors, & asss, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. By writ, &c.

PLUCKNETT. 15th June 1805.

2859. A grant unto THOs JAMES PLUCKNETT, of Butt Lane, Deptford, in the coy of Kent, gent., for his new invented method of mowing corn, grass, and other things, by means of a machine moving on wheels, which may be worked either by men or horses; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. By writ, &c.

COLLINS. 20th June 1805.

2860. A grant unto WILLIAM COLLINS, lieut in our royal corps of marines, for his invented ventilator, upon a new or improved construction, for the purpose of ventilating tents and marquees of every description; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause for supplying His Majesty's service with all such articles of the said invention as shall be required by the masr genl of our ordnance for the time being. By writ, &c.

NOBLE. 29th June 1805.

2861. A grant unto JAMES NOBLE, of Coggershall, in the county of Essex, worsted spinner, for his invented machine for discharging a wool comb or combs, by separating the tears from the noiles, and drawing what is commonly called a sliver or slivers from the comb or combs, after or before the combs are worked or the wool is combed upon the same; to hold to him, his exors, admors, & asss, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. By writ, &c.

KENT.
2nd July 1805.

2862. A grant unto WILLIAM KENT, of the borough of Plymouth, in the county of Devon, merch[t] and agent, for his invented certain additions & improvem[ts] in a sort of candlestick (in common use), which will be found to prevent accidental fires in the use of candles, by which so many valuable lives are lost and such immense property consumed, and which will not be confined to chamber use, but be made on a larger scale, will be found equally useful in shops, warehouses, oil & spirit cellars, and other places where the use of a candle is found necessary; to hold to him, his ex̃ors, adm̃ors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof.

By writ, &c.

WOOLF.
2nd July 1805.

2863. A grant unto ARTHUR WOOLF, of Wood Street, Spa Fields, in the co[y] of Midd̃x, engineer, for his certain improvements in steam engines; to hold to him, his ex̃ors, adm̃ors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within four calendar months from the date thereof. By writ, &c.

BOAZ.
2nd July 1805.

2864. A grant unto JAMES BOAZ, of the city of Glasgow, in Scotland, civil engineer, for his new and improved method of raising water and working machinery by means of steam; to hold to him, his ex̃ors, adm̃ors, and ass[s], within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed, and the colonies & plantations abroad, for the term of fourteen years pursuant to the statute; with a clause to inroll the same within four calendar months from the date thereof. By writ, &c.

WILSON.
3rd July 1805.

2865. A grant unto ALEXANDER WILSON, of Tichborne Street, Piccadilly, in the county of Midd̃x, gunmaker, for his invented and discovered certain improvements applicable to shot belts and powder flasks, and to fire arms of all descriptions; to hold to him, his ex̃ors, adm̃ors, & assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute, with a clause to inroll the same within one calendar month from the date thereof; and also with a clause for supplying His Majesty's service with all such articles of the said invention as shall be required by the mas[r] gen[l] of our ordnance or comm[rs] of our navy for the time being. By writ, &c.

BATLEY.
8th July 1805.

2866. A grant unto BENJAMIN BATLEY, of Queen Street, in the city of London, sugar refiner, for his new and improved method of refining sugars; to hold to him, his ex̃ors, adm̃ors, & ass[s], within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. By writ, &c.

WITHERBY.
19th July 1805.

2867. A grant unto HENRY EDW[D] WITHERBY, of Islington, in the county of Middx, gent., for his new apparatus for purifying and improving water and other liquors by filtration; to hold to him, his ex̃ors, adm̃ors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. By writ, &c.

SCHMIDT. DICKINSON. 19th July 1805.

2868. A grant unto JOHAN GOTTLIEB FREDERIC SCHMIDT, of Greek Street, Soho, in the county of Middx, gent., & ROBt DICKINSON, of Tavistock Street, Covent Garden, in the said county, gent., for their invented methods of sustaining animal life & combustion for a great length of time at considerable depths beneath the surface of the sea or other bodies of water, in such a manner as to enable a person making use of such means to exist, and to move from place to place at the bottom of the sea, or at any required depth between the surface and the bottom, with much more facility and advantage than by any other apparatus or contrivance which has been hitherto invented for that purpose; to hold to them, their exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof; and also with a clause for supplying His Majesty's service with all such articles of the said invention as shall be required by the commrs of our navy for the time being. By writ, &c.

MARSLAND. 19th July 1805.

2869. A grant unto PETER MARSLAND, of Heaton Norris, in the county of Lancaster, cotton spinner, for his invented improvement in sizing cotton yarn; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. By writ, &c.

MARSLAND. 19th July 1805.

2870. A grant unto PETER MARSLAND, of Heaton Norris, in the county of Lancaster, cotton spinner, for his invented improvement in the process of dying silk, woollen, worsted, mohair, furhair, cotton, and linen, or any one or more of them, as well in a manufactured or part manufactured as in an unmanufactured or raw state; to hold to him, his exors, admors, & assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, & town of Berwick-upon-Tweed for the term of 14 yrs pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. By writ, &c.

CHAPMAN. 29th July 1805.

2871. A grant unto THOMAS CHAPMAN, of Witham, in Holderness, in the county of York, thrashing machine maker, for his invented mill for tearing, crushing, and preparing oak bark, to be used by tanners in the process of tanning of hides; to hold to him, his exors, admors, & assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. By writ, &c.

MAUDSLAY. 29th July 1805.

2872. A grant unto HENRY MAUDSLAY, of Margaret Street, Cavendish Square, in the county of Middx, mechanist, for his invented press, upon an improved construction, for printing of calicoes and various other articles; to hold the same to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. By writ, &c.

WILKINSON. 9th August 1805.

2873. A grant unto WILLIAM WILKINSON, of Needham Market, in the county of Suffolk, for his invented improved pan tiles for covering houses and other buildings; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain & Ireland called England, our

dominion of Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. By writ, &c.

COLLINS. 9th August 1805.

2874. A grant unto WILLIAM COLLINS, of Plymouth, in the county of Devon, esqr, for his invented ventilator, for the purpose of ventilating close carriages of every description, sedan chairs, rooms, and cabins of ships, and by which sound may also be conveyed for certain useful purposes; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof; and also with a clause for supplying His Majesty's service with all such articles of the said invention as shall be required by the commrs of our navy for the time being. By writ, &c.

SCOTT. 9th August 1805.

2875. A grant unto WILLIAM SCOTT, of the London Glass Works, East Smithfield, in the county of Middx, for his invented & discovered certain improvements in the manufacturing and working of various kinds of glass; to hold to him, his exors, admors, & assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. By writ, &c.

JOHNSON. KAY. 9th August 1805.

2876. A grant unto THOS JOHNSON, late of Stockport, in the county of Chester, but now of Preston, in the county of Lancaster, weaver, and JAMES KAY, of Preston aforesaid, machine maker, for their new and improved machine or loom for weaving cotton and other goods by power; to hold to them, their exors, administrators, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within four calendar months from the date thereof. By writ, &c.

PLUCKNETT. 23rd August 1805.

2877. A grant unto THOMAS JAMES PLUCKNETT, of Butt Lane, Deptford, in the county of Kent, gent., for his new method of mowing corn, grass, and other things, by means of a machine moving on wheels, which may be worked either by men or horses; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. By writ, &c.

DEVERELL. 2nd Sept. 1805.

2878. A grant unto WILLIAM DEVERELL, of Blackwall, in the county of Middx, engineer, for his invented certain improvements on the steam engine; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. By writ, &c.

CALDWELL. 21st Sept. 1805.

2879. A grant unto SAMUEL CALDWELL, of Hathern, in the county of Leicester, framesmith, for his invented new machinery & apparatus, to be attached or annexed to certain plain frames or machines called stocking frames,

plain piece frames, or any other plain frames, for the purpose of working, making, or manufacturing silk, cotton, mohair, worsted, or any other sort of stuff whatsoever, into plain hose, or any plain sort of piece work whatsoever, whereby these frames will work, make, or manufacture all kinds of plain stockings and plain piece work by mechanical machinery and motion; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. By writ, &c.

NYREN. 27th Sept. 1805.

2880. A grant unto JOHN NYREN, of Bromley, in the county of Middx, muslin bleacher and tambour worker, for his new invented mode of printing fancy patterns on silk and cotton lace net, instead of tambouring or working them in colours; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. By writ, &c.

CLUBB. 27th Sept. 1805.

2881. A grant unto STEPHEN CLUBB, of Colchester, in the county of Essex, millwright, for his invented improved mangle; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. By writ, &c.

MACNAUGHTAN. 27th Sept. 1805.

2882. A grant unto JAMES MACNAUGHTAN, of Great Queen Street, Lincolns Inn Fields, in the county of Middx, ironmonger, for his invented stove, or grate and range, upon a new construction, by which rooms will be much more effectually warmed than they now are, and the chimnies prevented from smoaking; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. By writ, &c.

SYEDS. 7th October 1805.

2883. A grant unto JOHN SYEDS, of Fountain Stairs, Rotherhithe Wall, in the county of Surrey, mathematical instrument maker, for his invented steering, amplitude, or azimuth compass and scale, for finding and working the course of ships; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed, for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof; and also with a clause for supplying His Majesty's service with all such articles of the said invention as shall be required by the commissioners of our navy for the time being. By writ, &c.

DESORMEAUX. HUTCHINGS. 22nd October 1805.

2884. A grant unto DANIEL DESORMEAUX, of Barking, in the county of Essex, surgeon and apothecary, and SAMUEL HUTCHINGS, of Ilford, in the said parish of Barking, weaver, for their invented certain improvements in the making and manufacturing of wax, spermaceti, and tallow candles; to hold to them, their executors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. By writ, &c.

KENTISH. 30th October 1805.

2885. A grant unto RICHARD KENTISH, late captain in the Cambridgeshire militia, but now of Birmingham, in the county of Warwick, esq^r^, for his invented armour waistcoat, wch is a sure defence ag^st^ the bayonet, sword, pike, or any pointed instrument, and in many instances may prevent the wound from a musket ball; to hold to him, his executors, administrators, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof; and also with a clause for supplying His Majesty's service with all such articles of the said inv^n^ as shall be required by the master gen^l^ of our ordnance and the comm^rs^ of our navy for the time being. By writ, &c.

HUDDART. 30th October 1805.

2886. A grant unto JOSEPH HUDDART, of Highbury Terrace, in the parish of Islington, in the county of Midd^x^, for his invented sundry new improvements in the manufacture of large cables & cordage in general; to hold to him, his ex̃ors, adm̃ors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof; and also with a clause for supplying His Majesty's service with all such articles of the said invention as shall be required by the comm^rs^ of our navy for the time being. By writ, &c.

MILLER. 30th October 1805.

2887. A grant unto SAMUEL MILLER, of Gresse Street, in the parish of Saint Pancras, and county of Middx, engineer, for his invented certain improvements on steam engines; to hold to him, his ex̃ors, adm̃ors, & assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within 6 calendar months from the date thereof. By writ, &c.

HARTOP. 7th Nov. 1805.

2888. A grant unto JOHN HARTOP, of Brightside, in the parish of Sheffield, in the county of York, iron master, for his invented certain improvements in the method of preparing malleable iron for the purpose of making the same into barrs, sheets, and slit rods, and manufacturing the same also into hoop iron; and that he hath invented certain improvements in the method of preparing all other malleable metals; to hold to him, his ex̃ors, adm̃ors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. By writ, &c.

TROTTER. 14th Nov. 1805.

2889. A grant unto JOHN TROTTER, of Soho Square, in the county of Midd^x^, esq^r^, for his invented rotatory engine for applying the power of fluids as first movers; to hold to him, his ex̃ors, adm̃ors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed, and also in all our colonies and plantations abroad, for the term of fourteen years pursuant to the statute; with a clause to inroll the same within six calendar months from the date hereof. By writ, &c.

MILTON. 16th Nov. 1805.

2890. A grant unto WILLIAM MILTON, vicar of Heckfield, in the county of Southampton, master of arts, for his invented mode of rendering carriages in general, but particularly stage coaches, more safe than at present, and various other improvements upon such carriages; to hold to him, his ex̃ors, adm̃ors, and assigns, within that part of our united kingdom of Great Britain

and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within one calendar month from the date thereof.
By writ, &c.

CURR. 16th Nov. 1805.

2891. A grant unto JOHN CURR, of Sheffield Park, in the parish of Sheffield, in the county of York, gent., for his invented method, different from any that has hitherto been invented or known, of laying a rope, or, in other words, of twisting and forming the strands together that compose the round rope; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within one calendar month from the date thereof; and also a clause for supplying His Majesty's service with all such articles of the said invention as shall be required by the commrs of our navy for the time being. By writ, &c.

FLINT. 16th Nov. 1805.

2892. A grant unto ANDREW FLINT, of Gee Street, Goswell St[t], in the co[y] of Middx, millwright, for his invented machine, upon an improved construction, which may be used as a steam engine; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within four calendar months from the date thereof.
By writ, &c.

DE LAFONS. 19th Nov. 1805.

2893. A grant unto JOHN DE LAFONS, of Threadneedle Street, in the city of London, watchmaker, for his invented marine alarum chronometer, for ascertaining the time of a ship's log line running out, the time of the watches on ship board, & many other useful purposes ; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within one calendar month from the date thereof; and also with a clause for supplying His Majesty's services with all such articles of the said invention as shall be required by the commrs of our navy for the time. By writ, &c.

WYKE. 19th Nov. 1805.

2894. A grant unto GEORGE WYKE, of Winsley, in the county of Wilts, esq[r], for his invented method of working pumps of various descriptions by machinery, whereby much manual labour will be spared; to hold to him, his exors, admors, & assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within one calendar month from the date thereof.
By writ, &c.

POCOCK. 19th Nov. 1805.

2895. A grant unto WILLIAM POCOCK, of the parish of St Paul, Covent Garden, in the county of Midd[x], cabinet maker & upholsterer, for his invented improvements on tables for dining and other use ; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within one calendar month from the date thereof.
By writ, &c.

DUNDONALD. 19th Nov. 1805.

2896. A grant unto ARCHIBALD Earl of DUNDONALD, in consequence of a discovery communicated to him by Tho[s] Nelson, late of Lambeth, engineer, dec'd, some months previous to his decease, he became possessed of certain

improvements in machinery or mills pinning, for the spinning of cotton, wool, silk, hemp, & flax, and substitutes for hemp and flax; to hold to him, his exors, admors, & assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within six calendar months from the date thereof. By writ, &c.

LUMBERT. 23rd Nov. 1805.

2897. A grant unto RICHARD LUMBERT, of Wick Rissington, in the county of Gloucester, gentleman, for his invented, discovered, improved thrashing machine, and also an improved portable windlass, to be worked by men or one or more horses, particularly useful for drawing or hauling; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof, and also with a clause for supplying His Majesty's service with all such articles of the said invention as shall be required by the master general of the ordinance and commrs of our navy for the time being. By writ, &c.

BROWN. 26th Nov. 1805.

2898. A grant unto RICHARD BROWN, of the parish of St Botolph, Bishopsgate, in the city of London, cabinet maker, for his invented certain improvements in the construction of several parts of tables, and of various other articles of household furniture which stand upon or are supported by legs or feet; to hold to him, his exors, admors, & assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. By writ, &c.

INGRAM. 26th Nov. 1805.

2899. A grant unto JAMES INGRAM, of Castle Street, in the city of Bristol, grocer, for his invented new method of manufacturing powder sugar from raw sugar alone, and from syrup of sugar alone, and from the mixtures of raw sugar and syrup of sugar; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. By writ, &c.

ANNESS. 26th Nov. 1805.

2900. A grant unto SAMUEL ANNESS, of Red Lion Place, in the parish of Saint Sepulchre, in the city of London, china enameller, for his invented certain improved methods of preparing various enamel colours, and of applying the same, so prepared, to the ornamenting useful vessels of glass; to hold to him, his exors, admors, and assigns, within that part of our united Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. By writ, &c.

STEEL. 17th Dec. 1805.

2901. A grant unto JOSEPH STEEL, of Stockport, in the county of Chester, for his invented species of cloths, fustians, callicoes, cambrics, lawns, striped cottons, & other articles, manufactured with cotton, wool, and flax mixed and spun together; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. By writ, &c.

FLETCHER. 23rd Jan. 1806.

2902. A grant unto JOSEPH FLETCHER, of Horsley, in the county of Derby, needle maker, for his invented machine for raising water; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within four calendar months from the date thereof; and also for supplying His Majesty's service with all such articles of the said invention as shall be required by the commissioners of our navy for the time being. By writ, &c.

ALCOCK. 23rd Jan. 1806.

2903. A grant unto GEO. BARTON ALCOCK, of the city of Kilkenny, in that part of the united kingdom of Great Britain and Ireland called Ireland, for his invented certain improvements in lamps; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within six calendar months from the date thereof. By writ, &c.

DAVIES. 23rd Jan. 1806.

2904. A grant unto JOHN DOBBS DAVIES, of New Compton Street, in the county of Middx, gent., for his invented saddle bar, on an improved construction, which he denominates the motion saddle bar; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof; and also with a clause for supplying His Majesty's service with all such articles of the said invention as shall be settled by the masr genl of the ordnance for the time being. By writ, &c.

BERRIMAN. 23rd Jan. 1806.

2905. A grant unto ROBERT BERRIMAN, of Speen, in the county of Berks, wheelwright, for his invented machine for preparing land for the reception of seed, which he is confident will prove of the utmost advantage to agriculturists in saving corn, in producing a regular and more abundant crop, and in enabling the farmer at an easier rate to keep his land free from all kinds of weeds; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. By writ, &c.

SAMPSON. 12th Feb. 1806.

2906. A grant unto WILLIAM SAMPSON, of Liverpool, in the county of Lancaster, wheelwright, for his invented certain improvements in the application of power employed mechanically, especially as adapted to the use of cranks and fly wheels, or other contrivances producing equivalent or similar effects; to hold to him, his exors, admors, & assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. By writ, &c.

PHILLIPS. 12th Feb. 1806.

2907. A grant unto JOHN PHILLIPS, of East Stonehouse, in the county of Devon, stone mason and sculptor, for his invented certain improvements in the construction of tinder boxes; to hold to him, his exors, admors, & ass^{s}, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. By writ, &c.

PHILLIPS. 12th Feb. 1806.

2908. A grant unto JOHN PHILLIPS, of East Stonehouse, in the county of Devon, stone mason and sculptor, for his invented chain and apparatus for strait, square, and parallel stone & marble sawing, wch chain may be applied, to other useful purposes; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within six calendar months from the date thereof. By writ, &c.

MARSHALL. NAYLOR. 14th Feb. 1806.

2909. A grant unto JOHN MARSHALL, of Northwich, in the county of Chester, salt proprietor, and JOHN NAYLOR, of the same county, salt proprietor, for their new and improved method or manner of manufacturing and making salt; to hold to them, their exors, admors, & assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursut to the statute; with a clause to inroll the same within one calendar month from the date thereof. By writ, &c.

KENTISH. 20th Feb. 1806.

2910. A grant unto Thos KENTISH, of Baker Street North, in the parish of Saint Mary-le-bone, in the county of Middx, esqr, for his invented certain improvements in the construction of machines or engines applicable to the moving, raising, or lowering of heavy bodies & weights of all kinds, either upon land or on board of ships and vessels; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof; and also with a clause for supplying His Majesty's service with all such articles as shall be required by the masr genl of our ordnance and commrs of our navy for the time being. By writ, &c.

JONES. 20th Feb. 1806.

2911. A grant unto JOHN JONES the younger, of Birmingham, in the county of Warwick, tool maker and die sinker, for his invented improvements in the mode of manufacturing barrels for fire arms; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof; and also with a clause for supplying His Majesty's service with all such articles of the said invention as shall be required by the master general of our ordnance for the time being. By writ, &c.

WOODHOUSE. 20th Feb. 1806.

2912. A grant unto JOHN WOODHOUSE, of the parish of Heyford, in the county of Northampton, engineer, for his invented certain improvements relative to canals; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. By writ, &c.

WHYTOCK. 8th March 1806.

2913. A grant unto PATRICK WHYTOCK, of Liverpool, in the county palatine of Lancaster, merchant, for his new discovered invented improvement in the manufacture of piece goods composed of cotton, of flax, or of hemp, or of any mixture or mixtures of two or more of those articles, by wch such goods will resist the rotting action of wet or moisture much better than similar fabrics manufactured by the methods in common use; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of

Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within four calendar months from the date thereof. By writ, &c.

CURR.
8th March 1806.

2914. A grant unto JOHN CURR, of Sheffield Park, in the parish of Sheffield, in the county of York, gent., for his invented method, different from any that has hitherto been invented or known, of spinning hemp for the making of ropes or cordage; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof; and also with a clause for supplying His Majesty's service with all such articles of the said invention as shall be required by the commrs of the navy for the time being. By writ, &c.

WILLCOX.
8th March 1806.

2915. A grant unto RICHARD WILLCOX, of the parish of Saint Mary, Lambeth, in the county of Surry, mechanist, for his invented certain machinery for glazing and graining leather, now usually performed by hand; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within six calendar months from the date thereof. By writ, &c.

DAMPIER.
JACKSON.
SHACKLETON.
12th March 1806.

2916. A grant unto EDWARD DAMPIER, of Primrose Street, in the city of London, manufacturer, for his invented and brought to perfection certain machinery for rasping, grating, or reducing into small parts or powder such woods, drugs, and other substances for the use of dyers and others as are not easily to be pulverized by mere percussion, and also in regard that he is connected in trade with EDWARD JACKSON and THOMAS SHACKLETON, of Primrose Street aforesaid; to hold to them, their exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. By writ, &c.

LOGAN.
13th March 1806.

2917. A grant unto MICHAEL LOGAN, of Paradise Street, in the parish of Rotherhithe, in the county of Surrey, engineer, for his invented and constructed an entire new system of marine fort and field artillery; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one month from the date thereof; and also with a clause for supplying His Majesty's service with all such articles of the said invention as shall be required by master general of our ordnance for the time being. By writ, &c.

WEST.
BRUCE.
18th March 1806.

2918. A grant unto CHARLES ROBERT WEST, of Plough Court, Fetter Lane, in the city of London, optician, and WILLIAM BRUCE, of Kings Head Court, Shoe Lane, in the city of London aforesaid, optical turner, for their invented certain improvements in day or night telescopes, whereby the same will be rendered more portable than they now are; to hold to them, their exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. By writ, &c.

CLOUGH. 21st March 1806.

2919. A grant unto HENRY GORE CLOUGH, of Norton Street, in the parish of Saint Mary-le-bone and county of Middlesex, surgeon, for his invented certain improvements in the instruments or apparatuses commonly called trusses, which are used for compressing and supporting such parts of the human frame as are or may be ruptured or disposed to protrude; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. By writ, &c.

PLACE. 21st March 1806.

2920. A grant unto FRANCIS PLACE, of Charing Cross, in the parish of St Martin-in-the-Fields, in the county of Middx, taylor and mercer, for his invented certain improvements in locks for muskets, pistols, fowling pieces, carriage guns, and every species of fire arms; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof; and also with a clause for supplying His Majesty's service with all such articles of the said invention as shall be required by the master general of our ordnance for the time being. By writ, &c.

OTTLEY. JEANS. 21st March 1806.

2921. A grant unto RICHARD OTTLEY, of Myrtle Hill, near Caermarthen, in Caermarthenshire, esqr, and JAMES JEANS, of Portsmouth, in the county of Hants, ship builder, for their invented certain improvements in chain pumps, in the mode of working the same, and in the wells for receiving such pumps, whereby much manual labour will be saved; to hold to them, their exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland, our dominion of Wales, and town of Berwick-upon-Tweed, and also in all our colonies & plantations abroad, for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof; and also with a clause for supplying His Majesty's service with all such articles of the said invention as shall be required by the commrs of our navy for the time being. By writ, &c.

HINCHSLIFFE. 26th March 1806.

2922. A grant unto JOSEPH HINCHSLIFFE, of Dumfries, in that part of the united kingdom called Scotland, cutler and surgeon's instrument maker, for his invented new method of manufacturing elastic spring trusses for ruptures or rupture bandages; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. By writ, &c.

CLARK. 26th March 1806.

2923. A grant unto BRACY CLARK, of Giltspur Street, in the city of London, veterinary surgeon, for his invented certain improvements upon horse shoes; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof; and also with a clause for supplying His Majesty's service with all such articles of the said invention as shall be required by the master general of our ordnance for the time being. By writ, &c.

McADAM. 26th March 1806.

2924. A grant unto QUINTIN McADAM, manufacturer, in Anderston, near the city of Glasgow, in the county of Lanark, in that part of the united kingdom called Scotland, for his improved method of dressing yarns for weaving, by

means of a new and useful machine ; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within one calendar month from the date thereof. By writ, &c.

PARR. BEVINGTON. BEVINGTON. 26th March 1806.

2925. A grant unto WILLIAM PARR, of Bermondsey New Road, in the county of Surrey, gent., RICHARD BEVINGTON, of Gracechurch Street, in the city of London, merchant, and SAMUEL BEVINGTON, of Grange Road, Bermondsey, in the said county of Surrey, leather dresser, for their invented machine for splitting hides, skins, pelts, or leather in an improved manner ; to hold to them, their exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within four calendar months from the date thereof. By writ, &c.

MILLER. 1st April 1806.

2926. A grant unto SAMUEL MILLER, of the parish of Saint Pancras, in the county of Middx, engineer, for his invented various improvements in the working of coal, tin, lead, and other mines, by which there will be a great saving of fuel and labour, and many accidents prevented ; to hold to him, his exors, admors, & assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within one calendar month from the date thereof. By writ, &c.

KEIR. 3rd April 1806.

2927. A grant unto JAMES KEIR, of West Bromwich, in the county of Stafford, esqr, for his invented improved method of manufacturing white lead ; to hold to him, his exors, admors, & ass^{s}, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within one calendar month from the date thereof. By writ, &c.

LASSALLE. 5th April 1806.

2928. A grant unto W^{m} HENRY LASSALLE, of the city of Bristol, apothecary, for his invented certain improvements in soap ; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed, and also within all our colonies and plantations abroad, for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within one calendar month from the date thereof. By writ, &c.

KAY. 17th April 1806.

2929. A grant unto JAMES KAY, of Preston, in the county of Lancaster, machine maker, for his invented improvement upon Thomas Johnson's patent machine for dressing cotton, silk, and other goods by power ; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar mouth from the date thereof. By writ, &c.

PLUCKNETT. 17th April 1806.

2930. A grant unto THO^{s} JAMES PLUCKNETT, of the parish of Christchurch, in the county of Surry, agricultural machine maker, for his invented machine for dibbling and drilling all kinds of grain and pulse ; to hold to him, his exors, admors, and ass^{s}, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Ber-

wick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. By writ, &c.

BERTE. 29th April 1806.

2931. A grant unto ANTHONY FRANCIS BERTE, of the parish of St Dunstan-in-the-West, in the city of London, merch^t, for a machine for casting or founding types, letters, and ornaments usually made use of in printing; to hold to him, his exors, admors, & assigns, within that p^t of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within six calendar months from the date the^f. By writ, &c.

BUNDY. 1st May 1806.

2932. A grant unto WILLIAM BUNDY, of Pratt Place, Camden Town, in the parish of St Pancras, in the county of Middlesex, mathematical instrum^t maker, for his invented machines or instruments for the purpose of making leaden bullets and other shot; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within six calendar months from the date thereof; and also with a clause for supplying His Majesty's service with all such articles of the said invention as shall be required by the master gen^l of our ordnance for the time being. By writ, &c.

HOOPER. 3rd May 1806.

2933. A grant unto STEPHEN HOOPER, of Walworth, in the county of Surrey, gent., for his invented aqueduct, tunnel, or machine for cleansing docks and other basins of penned water; and certain improvements on machines or machinery (for which he hath already obtained Letters Patent) for cleansing dry and other harbours, rivers, creeks, bars of harbours, and other purposes; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendarmonth from the date thereof. By writ, &c.

KING. 8th May 1806.

2934. A grant unto W^m ROBERT WALE KING, of Kirby Street, in the parish of St Andrew, Holborn, in the county of Middlesex, tin plate worker, for his invented new and improved method of manufacturing tin, or iron plates covered with tin, commonly called tin plates, into covers for dishes and plates; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. By writ, &c.

CARWOOD. 15th May 1806.

2935. A grant unto MARTIN CARWOOD, of Leeds, in the county of York, for his invented improvement in the manufacturing metallic cocks for conveying and stopping liquids; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. By writ, &c.

WILLCOX. 21st May 1806.

2936. A grant unto RICHARD WILLCOX, of the parish of St Mary, Lambeth, in the county of Surrey, mechanist, for his invented certain improvements in steam engines; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England,

our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. By writ, &c.

DODD.
6th June 1806.

2937. A grant unto RALPH DODD, of Change Alley, in the city of London, engineer, for his invented method of applying steam for the forcing and raising of water, heavy bodies, and working machinery in a more simplified manner than has hitherto been practised; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within six calendar months fromthe date thereof. By writ, &c.

MASSEY.
6th June 1806.

2938. A grant unto EDWARD MASSEY the yor, of Newcastle, in the coy of Stafford, nautical instrument maker, for his invented certain improvements in the construction of an instrument or apparatus for taking soundings at sea, whereby the same will be much more simplified; for which instrument or apparatus he hath already obtained Letters Patent, bearing date the 24th day of March 1802; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within six calendar months from the date thereof; and also with a clause for supplying His Majesty's service with all such articles of said invention as shall be required by the commissioners of the navy for the time being. By writ, &c.

DEVERELL.
6th June 1806.

2939. A grant of WILLIAM DEVERELL, of Charles Street, Blackfriars Road, in the parish of Christchurch and county of Surrey, engineer, for his invented certain improvements in the mode of giving motion to hammers, stampers, knives, sheers, and other things, without the application of wheel, pinion, or any rotative motion, by means of various powers now in common use, whereby much labour and expence will be saved; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. By writ, &c.

GWYNNE.
NOBLE.
6th June 1806.

2940. A grant unto LAWRENCE GWYNNE, of Christs Hospital, in the city of London, gent., and PETER NOBLE, of the London Road, in the county of Surrey, engine maker, for their invented certain improvements in chain and common pumps, whereby the latter will act as a fire engine for sea and land purposes; to hold to them, their exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen yrs pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof, and also with a clause to supply His Majesty's service with all such articles of the said invention as shall be required by the commrs of the navy for the time being. By writ, & .

HEARD.
12th June 1806.

2941. A grant unto EDWARD HEARD, of London, chymist, for his invented discovered certain means of obtaining inflammable gas from pit coal, in such a state that it may be burned without producing any offensive smell; to hold to him, his exors, admors, & assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within six calendar months from the date thereof. By writ, &r.

PHELPS.
17th June 1806.

2942. A grant unto SAMUEL PHELPS, of Cupers Bridge, Lambeth, in the county of Surrey, esq^{r}, for his improved method of making kelp, barilla, or other vegetable or mineral alkali, by fermentation and other means, in addition to combustion; to hold to him, his ex̃ors, adm̃ors, & assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within six calendar months from the date thereof. By writ, &^{c}.

LESTER.
19th June 1806.

2943. A grant unto WILLIAM LESTER, of Piccadilly, engineer, for his invented improved rotary motion or engine to communicate power to machines; to hold to him, his ex̃ors, adm̃ors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within four calendar months from the date thereof. By writ, &^{c}.

CLARK.
BUGBY.
19th June 1806.

2944. A grant unto WILLIAM CLARK, of Cerne Abbas, in the county of Dorset, clock maker, and JOSEPH BUGBY, of Yeovil, in the county of Somerset, schoolmaster, for their invented certain improvements in a machine for spinning hemp, flax, tow, and wool; to hold to them, their ex̃ors, adm̃ors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen y^{rs} pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. By writ, &^{c}.

BOURNE.
CHAMBERS.
GOULD.
24th June 1806.

2945. A grant unto THOMAS BOURNE and WILLIAM CHAMBERS, scale beam makers, and CHESTER GOULD, mechanick, all of Birmingham, in the county of Warwick, for their invented machine or engine for roasting meat by the power of steam, and for other purposes where small powers are necessary; to hold to them, their ex̃ors, adm̃ors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. By writ, &^{c}.

DAVENPORT.
4th July 1806.

2946. A grant unto JOHN DAVENPORT, of Langport, in the county of Stafford, glass maker, for his new invented method of ornamenting glass in imitation of engraving or etching, by which means borders, cyphers, courts of arms, drawings, and the most elaborate designs may be executed in a stile of elegance hitherto unknown; that he is the first and true inventor thereof; to hold to him, his ex̃ors, adm̃ors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. By writ, &^{c}.

CURR.
4th July 1806.

2947. A grant unto JOHN CURR, of Sheffield, in the county of York, for his new invented method of applying the cables of ships and vessels upon the windlasses, capstans, or drums thereof, whereby the necessity of conveying away the loose ends of the said cables is prevented, by which method the cables are more commodiously applied to their work, and more certain of bringing ships and vessels safe to anchor; to hold to him, his ex̃ors, adm̃ors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof; and also

with a clause for supplying His Majesty's service with all such articles of the said invention as shall be required by the commrs of the navy for the time being. By writ, &c.

DONKIN. MAUDSLAY. 24th July 1806.

2948. A grant unto BRYAN DONKIN, of Foot Place, Bermondsey, in the county of Surrey, engineer, and HENRY MAUDSLAY, of Margaret Street, Cavendish Square, for their invented new and simple method of combining wheel work together so as to produce any required proportion of velocity between the weight and the first mover ; to hold to them, their exors, admors, and assigns, within that part of our united kingdom of Great Britain & Ireland called England, our dominion of Wales, and town of Berwick-upon Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within one calendar month from the date thereof. By writ, &c.

DE BERENGER. 24th July 1806.

2949. A grant unto CHARLES DE BERENGER, of Hart Street, Bloomsbury, in the county of Middlesex, artist, in consequence of a communication made to him by a certain foreigner residing abroad, for a certain animal substance, and method of preparing and manufacturing the same, whereby the said substance becomes applicable as a substitute for horse and other hair now used for the stuffing of cusheons, mattrasses, carriages, sofas, chairs, &c, and all other purposes for which flocks, wool, or hair are now generally applied ; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within six calendar months from the date thereof. By writ, &c.

FOURDRINIER. 24th July 1806.

2950. A grant unto HENRY FOURDRINIER, of Sherborne Lane, in the city of London, stationer and paper maker, in consequence of a communication made to him by a certain foreigner residing abroad, for a method of making a machine for cutting paper on a different principle from any hitherto used ; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute, and also in all our colonies and plantations abroad; with a clause to inroll the same within six calendar months from the date thereof. By writ, &c.

FOURDRINIER. 24th July 1806.

2951. A grant unto HENRY FOURDRINIER, of Sherborne Lane, in the city of London, stationer and paper maker, in consequence of a communication made to him by a certain foreigner residing abroad, for a method of making a machine for manufacturing paper of an indefinite length, laid and wove, with separated moulds; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed, and also in all our colonies and plantations abroad, for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within six calendar months from the date thereof. By writ, &c.

LAMB. 25th July 1806.

2952. A grant unto JOHN LAMB, of the state of New York, in North America, at present residing in King Street, in the city of London, merchant, in consequence of a communication made to him by a certain foreigner residing abroad, for certain improvements in and upon a machine or machinery for extracting fresh water from the salt water of the ocean (by distillation), and other purposes, at sea or elsewhere ; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed,

and also in all our colonies and plantations abroad, for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. By writ, &c.

TOMKINSON. 1st August 1806.

2953. A grant unto RICHARD TOMKINSON, of the town of Liverpool, in the county of Lancaster, salt merchant, for his entire new machine, engine, or instrument for making white salt, and preparing brine to make white salt; to hold to him, his exors, admors, and asss, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. By writ, &c.

RAWLINSON. 1st August 1806.

2954. A grant unto JAMES RAWLINSON, of the town of Derby, gent., for his invented certain improvements or apparatuses commonly made use of as trusses or bandages for ruptures; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed, and also in all our colonies and plantations abroad, for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. By writ, &c.

MARSLAND. 1st August 1806.

2955. A grant unto PETER MARSLAND, of Heaton Norris, in the county of Lancaster, cotton spinner, for his invented improved method of weaving cotton, linen, silk, woollen, worsted, and mohair, and each or any of them, by machinery; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. By writ, &c.

FRICKER. CLARKE. 1st August 1806.

2956. A grant unto THOMAS FRICKER, of New Bond Street, in the county of Middx, paper hanger, & RICHd CLARKE, of Manor Street, Chelsea, in the said county, paper hanging manufacturer, for their invented new mode of decorating the walls of apartments in imitation of fine cloth, without joint, seam, or shade, by means of cementing of flock on walls of plaster, wood, linen, or paper; to hold to them, their exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. By writ, &c.

WALKER. 9th August 1806.

2957. A grant unto RALPH WALKER, of Blackwall, in the county of Middx, engineer, for his invented improved mode of making ropes and cordage of every dimension or size, by not only making all the yarns bear equally in the strand and laying the strands uniformly in the rope, but also by making the rope or cordage from the yarns in the same operation; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed, and also in all our colonies and plantations abroad, for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof; and also with a clause for supplying His Majesty's service with all such articles of the said invention as shall be required by the commrs of the navy for the time being. By writ, &c.

ROBBINS. CURTIS. 20th August 1806.

2958. A grant unto JOSIAS ROBBINS, of Liverpool, in the county of Lancaster, millwright, and JAMES CURTIS, of the city of Bristol, coppersmith, for their invented certain improvements in boilers for manufacturing sugar,

and in the mode of fixing the same, whereby much labour and fuel will be saved; to hold to them, their exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed, and in all our colonies and plantations abroad, for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. By writ, &c.

BYWATER. 22nd August 1806.

2959. A grant unto JOHN BYWATER, of the town and county of the town of Nottingham, for his invented improvement in certain sails of ships and other navigable vessels, and the mode of working the same; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed, and in all our colonies and plantations abroad, for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof; and also with a clause for supplying His Majesty's service with all such articles of the said invention as shall be required by the commrs of the navy for the time being. By writ, &c.

CURR. 23rd August 1806.

2960. A grant unto JOHN CURR, of Belle Vue House, in the parish of Sheffield, in the county of York, gent., for his invented method of laying and twisting the yarns that compose a rope, by which method the yarns of a rope have a better and more equal bearing than they have in a rope made in the common way; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof; and also with a clause for supplying His Majesty's service with all such articles of the said invention as shall be required by the commrs of the navy for the time being. By writ, &c.

FORD. 30th August 1806.

2961. A grant unto RICHARD FORD, of the city of Bristol, ropemaker, for his invented and brought to perfection a new kind of cordage, made, by a process entirely new, from old rope or junk, or such short ends of new rope as are now commonly converted only into oakhum or coarse paper, by means of which process the objections to cordage usually termed twice laid cordage are totally obviated, and the newly invented cordage is made nearly equal to cordage made from new materials; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed, and in all our colonies and plantations abroad, for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof; and also with a clause for supplying His Majesty's service with all such articles of the said invention as shall be required by the commrs of the navy for the time being. By writ, &c.

PEARSON. 30th August 1806.

2962. A grant unto THOMAS PEARSON, of Haberdashers Place, in the parish of St Leonard, Shoreditch, and county of Middlesex, wholesale upholsterer, for his invented machine or machinery for the purpose of cleansing, seasoning, and dressing feathers and other articles; to hold to him, his exs, ads, & ass, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within six calendar months from the date thereof. By writ, &c.

CAREY. 30th August 1806.

2963. A grant unto JOHN CAREY, doctor of laws, of Camden Street, Islington, in the county of Middx, for his invented various contrivances

for preventing or checking fires, and preserving persons and property therefrom, by means of divers improvements in alarms, chimneys, cisterns, fire screens, and other articles ; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within six calendar months from the date thereof. By writ, &c.

Wilson. 30th August 1806.

2964. A grant unto Christopher Wilson, of Windmill Street, Tottenham Court Road, in the county of Middx, master mariner, for his invented new system of naval architecture ; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within one calendar month from the date thereof; and also with a clause for supplying His Majesty's service with all such articles of the said invention as shall be required by the commrs of the navy for the time being.

By writ, &c.

Newman. 6th Sept. 1806.

2965. A grant unto Robert Newman, of Dartmouth, in the county of Devon, shipbuilder, for an invented improvement in the form, formation, and construction of ships and other vessels of war, and of ships and other vessels of commerce, and of sloops, barges, and other vessels any otherwise employed; to hold to him, his exors, admors, & assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within one calendar month from the date thereof; and also with a clause for supplying His Majesty's service with all such articles of the said invention as shall be required by the commrs of the navy for the time being. By writ, &c.

Manton. 15th Sept. 1806.

2966. A grant unto Joseph Manton, of Davies Street, Berkeley Square, London, gunmaker, for his invented improvement in double barrelled guns ; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within one calendar month from the date thereof ; and also with a clause for supplying His Majesty's service with all such articles of the said invention as shall be required by the master general of the ordnance for the time being. By writ, &c.

Birt. 18th Sept. 1806.

2967. A grant unto Isaiah Birt, of Plymouth Dock, in the county of Devon, gent., for his invented black paint, composed chiefly of earthy and mineral substances, which will be beneficial to our navy and the shipping interest at large, being particularly calculated to preserve wood and prevent rust in iron, and may be applied to all purposes for which paint in general is used ; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed, and in all our colonies and plantations abroad, for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within one calendar month from the date thereof ; and also with a clause to supply His Majesty's service with all such articles of the said invention as shall be required by the commrs of the navy for the time being. By writ, &c.

Brunel. 23rd Sept. 1806.

2968. A grant unto Marc Isambard Brunel, of Portsea, in the county of Southampton, gent., for his invented new mode of cutting veneers or thin boards ; to hold to him, his exors, admors, and assigns, within that part

of our united of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within six calendar months from the date thereof. By writ, &c.

PRATT. 2nd October 1806.

2969. A grant unto HENRY PRATT, of Birmingham, in the county of Warwick, steel toy maker, for his invented new toast stand, or an improvem^{t} on the article called cats or dogs, upon w̃ch things are placed before a fire; to hold to him, his ex̃ors, adm̃ors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. By writ, &c.

SALMON. 2nd October 1806.

2970. A grant unto ROBERT SALMON, of Woburn, in the county of Bedford, surveyor, for his invented mathematic principled safe and easy trusses, for the relief and cure of ruptures; to hold to him, his ex̃ors, adm̃ors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. By writ, &c.

COOKE. 2nd October 1806.

2971. A grant unto WILLIAM COOKE, of Chute House, in the county of Wilts, gent., for his invented certain improvements in the construction of waggons and other carriages which have more than two wheels; to hold to him, his ex̃ors, adm̃ors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. By writ, &c.

WEDGWOOD. 7th October 1806.

2972. A grant unto RALPH WEDGWOOD, of Charles Street, Hampstead Road, in the county of Middx, gent., for his invented apparatus for producing duplicates of writings; to hold to him, his ex̃ors, adm̃ors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. By writ, &c.

SUTTON. 7th October 1806.

2973. A grant unto RALPH SUTTON, of Macclesfield, in the county of Chester, brazier and tin plate worker, for his invented certain improvements in an apparatus for cooking either by steam or water; to hold to him, his ex̃ors, adm̃ors, & ass^{s}, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed, for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. By writ, &c.

SAMPSON. 7th October 1806.

2974. A grant unto WILLIAM SAMPSON, of Liverpool, in the county of Lancaster, millwright, for his invented or discovered new discovery or invention, to be acted by the impulse of wind, in order to work mills, pumps, and other machinery suitable to its application; to hold to him, his ex̃ors, adm̃ors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof; and also with a clause for supplying His Majesty's service with all such articles of the said invention as shall be required by the comm^{rs} of the navy for the time being. By writ, &c.

JONES.
JONES.
7th October 1806.

2975. A grant unto ARCHIBALD JONES and JAMES JONES, of Mile End, in the county of Middx, printers, for their invented method of discharging colours from shawls and other dyed silks and silk and worsted of every description, or such part or parts thereof as may be required, for the purpose of introducing, by printing or staining, various patterns on such discharges, or otherwise; to hold to them, their exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. By writ, &c.

GOVER.
15th October 1806.

2976. A grant unto WILLIAM CLEGG GOVER, of Rotherhithe, in the county of Surrey, carpenter, for his invented new improved wheel or purchase for the steering of ships, by means of which wheel or purchase a considerable degree of labour is saved, and a ship may be steered with more ease and greater steadiness and certainty, and with more safety to the steerman; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof, and also with a clause to supply His Majesty's service with all such articles of the said invention as shall be required by the commrs of the navy for the time being. By writ, &c.

BRAMAH.
15th October 1806.

2977. A grant unto JOSEPH BRAMAH, of Pimlico, in the county of Middx, engineer, for his invented certain machine, whereby valuable improvements in the art of printing will be obtained; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. By writ, &c.

FLETCHER.
21st October 1806.

2978. A grant unto JOHN FLETCHER, of Cecil Street, in the Strand, in the county of Middx, esqr, for his invented composition for agricultural purposes, which is not only of the greatest value as a manure, but is also extremely efficacious in the destruction of the fly in turnips, snails, ants, and the majority of those insects which are detrimental to vegetables, which composition he usually denominates "prepared gypsum"; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within three calendar months from the date thereof. By writ, &c.

WHITE.
23rd October 1806.

2979. A grant unto ELIHU WHITE, of Threadneedle Street, in the city of London, gent., in consequence of a communication made to him by a certain foreigner residing abroad, for a method of making a machine for casting or founding types, letters, spaces, and quadrates, usually made use of in printing; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within six calendar months from the date thereof. By writ, &c.

CAPARN.
30th October 1806.

2980. A grant unto JAMES CAPARN, of Leicester, in the county of Leicester, brazier, for his invented discovered machine for discharging smoke from smoking chimnies; to hold to him, his exors, admors, and assigns, within

that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. By writ, &c.

SANFORD. PRICE. 30th October 1806.

2981. A grant unto ISAAC SANFORD, in the city of Gloucester, civil engineer, and STEPHEN PRICE, of Stroud, in the county of Gloucester, civil engineer, for their invented new improvement or method to raise a nap or pile on woollen, cotton, and all other cloth which may require a nap or pile as a substitute for teasels or cards; to hold to them, their exors, admors, & assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. By writ, &c.

PROSSER. 30th October 1806.

2982. A grant unto JOHN PROSSER, of Back Hill, Hatton Garden, in the county of Middx, smith, for his invd various improvements upon smoke or air jacks, which may be applied to those now in use; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. By writ, &c.

ELLIOT. 30th October 1806.

2983. A grant unto JOSEPH MOSELEY ELLIOT, of the parish of St James, Clerkenwell, in the county of Middx, watchmaker, for his new or improved method of making and constructing repeaters or repeating watches and time pieces; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. By writ, &c.

ROBERTSON. 30th October 1806.

2984. A grant unto MATTHEW ROBERTSON, of Milngaire, in the shire of Stirling, cotton spinner, for his invented certain improvements in the constructing and uniting cotton spinning mule jennies and stretching frames, so as a much greater number of them, containg any number of spindles, can be wrought at the same time by the same power and person than is practised or practicable by the mode of spinning hitherto in use; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. By writ, &c.

BOWMAN. 30th October 1806.

2985. A grant unto ROBERT BOWMAN, of Leith, in that part of the united kingdom called Scotland, manufacturer, for his invented means of making hats, caps, and bonnets, for men and women, of whalebone, harps for harping or cleansing corn or grain, and also the bottoms of sieves and riddles, and girths for horses; and also a cloth or webbing fit for making into hats, caps, &c, and for the backs and seats of chairs and sofas, gigs, coaches, and other similar carriage and things, and the bottoms of beds, as also reeds for weavers; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant the statute; with a clause to inroll the same within one calendar month from the date thereof. By writ, &c.

VAZIE. 6th Nov. 1806.

2986. A grant unto ROBERT VAZIE, of the parish of Saint Mary, Rotherhithe, in the county of Surrey, civil engineer, for his discovered improvements in the measures and in the machinery to be used in making bricks and earthenware, and also improvements in the carriages for removing the said articles ; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within one calendar month from the date thereof. By writ, &c.

ROYSTON. 6th Nov. 1806.

2987. A grant unto JAMES ROYSTON, of Halifax, in the county of York, card maker, for his invented improvement on the system of card making, by a method of cutting teeth for carding of wool and tow ; to hold to him, his exors, admors, & asss, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. By writ, &c.

LLOYD. 20th Nov. 1806.

2988. A grant unto JOHN WILLIAM LLOYD, late of Brook Street, Grosvenor Square, in the county of Middx, but now of Bishop Wearmouth, in the county of Durham, esqr, for his invented antifriction rollers or wheels, to assist all sorts of carriage wheels ; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. By writ, &c.

HENCKELL. 20th Nov. 1806.

2989. A grant unto JAMES HENCKELL, of the city of London, merchant, in consequence of a communication made to him by a French emigrant residing abroad, is in possession of certain improvts on a machine for duping coffee or barley, or any other corn, grain, pulse, fruit, seed, and berries ; to hold to him, his exors, admors, & assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed, and also in all our colonies and plantations abroad, for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within six calendar months from the date thereof. By writ, &c.

NICHOLSON. 22nd Nov. 1806.

2990. A grant unto WILLIAM NICHOLSON, of Soho Square, in the county of Middx, gent., for his invented various improvements in the application of steam to useful purposes, and in the apparatus required to effect the same ; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed, and also in all our colonies and plantations abroad, for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within one calendar month from the date thereof. By writ, &c.

MATTHEY. 4th Dec. 1806.

2991. A grant unto JAMES FREDERICK MATTHEY, of Suffolk Street, Charing Cross, in the city of Westminster, lieutenant in de Menrons regiment, for his discovered and invented various improvements upon fire arms and guns of all descriptions ; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed, for the term of fourteen years pursuant to the statute; with a clause to inroll the same within 6 calendar months from the date thereof ; and also with a clause for supplying His Majesty's service with all such articles of the said invention as shall be required by the master general of our ordnance. By writ, &c.

WILLIAMSON. 4th Dec. 1806.

2992. A grant unto SAMUEL WILLIAMSON, of Knutsford, in the county of Chester, weaver, for his certain improvement in weaving cotton, silk, woollen, worsted, and mohair, and each of them and every two or more of them by looms; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. By writ, &c.

WOLLASTON. 4th Dec. 1806.

2993. A grant unto WILLIAM HYDE WOLLASTON, of the parish of Saint Mary-le-bonne, in the county of Middx, gent., for his invented instrument whereby any person may draw in perspective, or may copy or reduce any print or drawing; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. By writ, &c.

SPEER. 13th Dec. 1806.

2994. A grant unto WILLIAM SPEER, of the city of Dublin, esqr, now residing in Crown Street, in the city of Westminster, for his invented new art, method, or process of purifying, refining, and otherwise improving fish oils and other oils, and converting and applying to use the unrefined parts thereof; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed, and in all our colonies and plantations abroad, for the term of fourteen years pursuant to the statute; with a clause to inroll the same within six calendar months from the date thereof. By writ, &c.

SCOTT. 13th Dec. 1806.

2995. A grant unto THOMAS SCOTT, of Clerkenwell Close, in the county of Middx, musical instrumt maker, for his invented improved musical instrument called a flageolette, English flute, or an instrument on the flageolette principle, so constructed as a single instrument that two parts of a musical composition can be played thereon at the same time by one person; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. By writ, &c.

JOHNS. 22nd Dec. 1806.

2996. A grant unto AMBROSE BOWDEN JOHNS, of Plymouth, in the county of Devon, bookseller, for his invented certain compositions, and a mode of manufacturing the same, for covering and facing houses, and various other useful purposes; to hold to him, his exors, admors, and asss, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. By writ, &c.

BELL. 22nd Dec. 1806.

2997. A grant unto WILLIAM BELL, of the town of Derby, engineer, for his invented improvement upon and an addition to smoothing irons, planeing irons, and various edge tools, applicable to many useful purposes; to hold to him, his exors, admors, and asss, within that part of our united kingdom of Gt Britain & Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendr month from the date thereof. By writ, &c.

ECKHARDT.
22nd Dec. 1806.

2998. A grant unto ANTHONY GEORGE ECKHARDT, of Berwick Street, Golden Square, in the county of Middlesex, gent., fellow of the Royal Society and member of the Society of Haerlam, for his invented certain improvements in the mode or covering or inclosing books, whereby their contents will be secured from the observation of any person but the owner, and will also be preserved from injury; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. By writ, &c.

ECKHARDT.
LYON.
22nd Dec. 1806.

2999. A grant unto ANTHONY GEORGE ECKHARDT, of Berwick Street, Golden Square, in the county of Middlesex, gent. and member of the Royal Society of London and of the Society of Haerlem in Holland, and JOSEPH LYON, of Millbank Street, Westminster, in the said county of Middx, cooper, for their new method of manufacturing pipes for the conveyance of water under ground, different to the present pipes; to hold to them, their exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. By writ, &c.

SCHMALCALDER.
22nd Dec. 1806.

3000. A grant unto CHARLES SCHMALCALDER, of Little Newport Street, in the parish of St Ann, Soho, in the county of Middx, mathematical and philosophical instrument maker, for his invented delineator, copier, or proportionometer, for the use of taking, tracing, and cutting out profiles; as also copying and tracing reversely upon copper, brass, hard wood, cardpaper, paper, asses skin, ivory, and glass, to different proportions, directly from nature, landscapes, prospects, or any other objects standing or previously placed perpendicularly; as also pictures, drawings, printts, plans, caricatures, and public characters; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen yrs pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. By writ, &c.

WYATT.
15th Jan. 1807.

3001. A grant unto WALTER HENRY WYATT, of Hatton Garden, London, gent., that in consequence of a communication made to him by a foreigner he is possn of a new discovery of the means of facilitating the chemical action between copper and several saline substances, so as to produce important improvements in the art of separating gold and silver from copper, plated or united with either of those metals, and in the manufacturing of sulphate of copper, and in the making of many kinds of colours for painting; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within six calendar months from the date thereof. By writ, &c.

GOULD.
24th Jan. 1807.

3002. A grant unto CHESTER GOULD, of Birmingham, in the county of Warwick, gentleman, for his invented improvement or machine to ascertain the weight of any thing to the amount of ten tons and upwards, to be made use of instead of the common steel yard or beams and weight; to hold to him, his executors, administrators, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and

town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. By writ, &c.

HANCE. 29th Jan. 1807.

3003. A grant unto WILLIAM HANCE, of Tooley Street, in the parish of Saint Olave, Southwark, and county of Surrey, hatter, for his invented method of rendering water proof beaver and other hats; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. By writ, &c.

SOUTHCOMBE. 29th Jan. 1807.

3004. A grant unto BENJAMIN SOUTHCOMBE, of Brick Lane, in the parish of Saint Luke, in the county of Middx, tin plate worker, for his invented new method of making flexible or malleable metallic plates into convex or concave forms or hollow shapes; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. By writ, &c.

FRIEND. 29th Jan. 1807.

3005. A grant unto RICHARD FRIEND, of the Broad Way, in Saint Thomas's, in the borough of Southwark and county of Surrey, gun carriage maker, for his invented certain improvements in the making and working gun and canonade carriages; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof; and also with a clause for supplying His Majesty's service with all such articles of the said invention as shall be required by the master general of our ordnance for the time being. By writ, &c.

ORGILL. 3rd Feb. 1807.

3006. A grant unto SIMON ORGILL, of the town and county of the town of Nottingham, framesmith, for his invented certain stops for working bolt wheels affixed to the machine attached to the common warp lace frame, to give motion to the said machine; and also a rotatory spindle, projections, and levers, to be affixed to the said frame itself, to give motion to the said frame, for the purpose of manufacturing, by a more simple, certain, and expeditious method, lace or net work of various figures and qualities, with silk, cotton, worsted, or other materials, produced from animal, vegetable, or mineral substances; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. By writ, &c.

LORENTZ. 5th Feb. 1807.

3007. A grant unto RICHARD LORENTZ, of Great Portland Street, in the county of Middx, esqr, in consequence of a communication made to him by foreigners residing abroad, he is in possession of certain inventions of different machines or instruments, one of which will produce instantaneous light, and the other instantaneous fire; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within six calendar months from the date thereof. By writ, &c.

Essex.
5th Feb. 1807.

3008. A grant unto James Essex, of the town of Northampton, wool stapler and grocer, for his invented certain methods of making or manufacturing dyed, botted, or felted wool into mats, rugs, carpets, &c, of various colours, figures, patterns, and sizes, for carriages, halls, parlours, hearths, and sundry other purposes; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inrol the same within one calendar month from the date thereof. By writ, &c.

Spershott.
7th Feb. 1807.

3009. A grant unto James Spershott, of Shelton, in the county of Stafford, clay merchant, for his invented improvement in the manufacture of earthenware; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. By writ, &c.

Day.
12th Feb. 1807.

3010. A grant unto John Day, of Camberwell Green, in the parish of Saint Mary, Lambeth, stone mason, for his invented engine for the purpose of loading and unloading vessels, and also for raising large anchors and other immense weights to any height required; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof; and also with a clause for supplying His Majesty's service with all such articles of the said invention as shall be required by the master general of the ordnance or commrs of the navy for the time. By writ, &c.

Stanhope.
16th Feb. 1807.

3011. A grant unto our right trusty and right well beloved cousin Charles Earl Stanhope, for his discovered certain important improvemts respecting the form, construction, and manner of building and fitting out ships and vessels for the purpose of navigation, and especially for counteracting or diminishing the danger of that most mischevious invention for destroying of ships and vessels, known by the name or appellation of submarine bombs, carcasses, or explosions; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed, and also in all our colonies and plantations abroad, for the term of fourteen years pursuant to the statute; with a clause to inroll the same within two calendar months from the date thereof; and also with a clause to supply His Majesty's service with all such articles of the said invention as shall be required by the officers of the ordance or post master general for the time being. By writ, &c.

Winter.
20th Feb. 1807.

3012. A grant unto James Winter, of Stoke-under-Hamdon, in the county of Somerset, glove manufacturer, for his invented machine for sewing and pointing leather gloves with neatness and strength, much superior to that which is effected by manual labour; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof.

By writ, &c.

KAUFFMAN. 20th Feb. 1807.

3013. A grant unto HENRY KAUFFMAN, of the parish of Saint Leonard, Shoreditch, in the county of Middx, musical instrument maker, for his invented certain improvements in the construction of the flageolette or English flute ; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. By writ, &c.

THOMSON. 20th Feb. 1807.

3014. A grant unto ARCHIBALD THOMSON, of the parish of Saint John, in the city of Westminster and county of Middx, engineer, for his invd or discovered certain improvements (by the application of known principles) upon certain parts of mill spinning, for spinning of wool or cotton ; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within one calendar month from the date thereof. By writ, &c.

SANFORD. PRICE. 20th Feb. 1807.

3015. A grant unto ISAAC SANFORD, of the city of Gloucester, civil engineer, and STEPHEN PRICE, of Stroud, in the county of Gloucester, civil engineer, for their invented new improvement or method to raise a nap or pile on woollen, cotton, and all other which may require a nap or pile as a substitute for teasels or cards ; to hold to them, their exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within one calendar month from the date thereof. By writ, &c.

WINSOR. 20th Feb. 1807.

3016. A grant unto FREDERIC ALBERT WINSOR, of Pall Mall, in the county of Middx, gent., for his invented improved oven, stove, furnace, or apparatus for the extracting of inflamable air or gas and oil, for acetous and ammonial liquors, from different kinds of fuel ; for reducing such fuel into coke and charcoal ; for completely purifying such inflamable air or gas of its odour during a state of combustion ; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within 6 calendar months from the date thereof. By writ, &c.

ATLEE. 7th March 1807.

3017. A grant unto JOHN FALCONER ATLEE, of Wandsworth, in the county of Surry, distiller, for his invented improved apparatus to be used in fermenting of liquors ; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within one calendar month from the date thereof. By writ, &c.

MABERLY. 7th March 1807.

3018. A grant unto JOHN MABERLY, of Bedford Row, in the county of Middx, gent., for his discovered method of making & constructing tents, poles, and other machinery, so as to expel & carry off noxious and contaminated air by a readier and more effectual ventilation than can be accomplished by the tents in common use ; to hold to him, his exors, admors, & assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within one calendar month from the date thereof. By writ, &c.

BELL.
7th March 1807.

3019. A grant unto ELIZABETH BELL, of Blackheath, in the county of Kent, spinsr, for her invented certain improvements in an artificical method of sweeping chimnies ; and an improvement in the preparing and manufacturing pieces used for constructing the chimnies invented by her, so as to render the said pieces capable of being better joined together and more advantageously used for conveying smoke, water, and other fluids or bodies in a divided or pulveralent state in any required direction ; and also invented certain methods, machinery, and apparatus, useful or necessary for manufacturing such pieces, and applicable for the purpose of forming various other articles of pottery ; to hold to her, her exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within six calendar months from the date thereof. By writ, &c.

HOULDITCH.
7th March 1807.

3020. A grant unto JOHN HOULDITCH, of Long Acre, in the county of Middx, coach maker, for his invented certain improvements in the construction of four wheeled carriages of different descriptions ; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within six calendar months from the date thereof. By writ, &c.

NEWMAN.
7th March 1807.

3021. A grant unto HENRY CHARLES CHRISTIAN NEWMAN, clerk, rector of Saint Johns, Capisterre, in the island of Saint Christopher, for his invented machine, applicable to mills in general and to various other purposes, but more particularly adapted to the cattle mills employed for expressing the juice of the sugar cane, by greatly augmenting their power and execution with fewer cattle, and by encreasing the number of the revolutions of the spindle and rollers in the proportion of ten to one of the present mills, or even more if required, by means of a ring, made either of hard wood or cast iron, round the mill, and by an entirely new construction of the axis in peritrochis, the lever, and a lantern wheel or pinion, the trundles or teeth of which turn a cog wheel on the spindle of the mill, wch axis in peritrochis, lever, and lantern wheel or pinion, are also constructed as to revolve together with two distinct motions, that is to say, a rotatory one round their own axis, and a progressive circumvolutionary one on the ring, constantly acting upon and empelling the cog wheel and spindle with their separate and united forces ; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed and also in all colonies and plantations abroad, for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within one calendar month from the date thereof. By writ, &c.

DAY.
20th March 1807.

3022. A grant unto JOHN DAY, of Camberwell Green, in the parish of St Mary, Lambeth, stone mason, for his discovered method of applying friction boxes, either with or without a perpetual screw, spindle, and cog wheel, to extend and facilitate the power of engines, cranes, capstans, and other machines used for loading & unloading ships or vessels, and for raising anchors and other great weights or bodies, and also to the steerage wheels of ships or vessels ; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain & Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within one calendar month from the date thereof ; and also with a clause for supplying His Majesty's service with all such articles of the said invention as shall be required by the commrs of the navy for the time being. By writ, &c.

JOHNSON. 23rd March 1807.

3023. A grant unto THOMAS JOHNSON, mechanic in Glasgow, for his invented machine for weaving yarn ; to hold to him, his exors, admors, and asss, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within four calendar months from the date thereof. By writ, &c.

THOMSON. 2nd April 1807.

3024. A grant unto ARCHIBALD THOMSON, of the parish of Saint John, in the city of Westminster, and county of Middlesex, engineer, for his invented discovered certain improvements (by the application of known principles) upon certain parts of mill spinning, for spinning wool or cotton ; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within four calendar months from the date thereof. By writ, &c.

PEACHE. 8th April 1807.

3025. A grant unto JAMES PEACHE, of Cupers Bridge, Lambeth, in the county of Surrey, barge builder, for his invented floating hollow buoy, on a new construction, for supporting mooring chains, cables, ropes, &c; to hold to him, his exors, admors, & asss, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof; and also with a clause for supplying His Majesty's service with all such articles as shall be required by the commrs of the navy for the time being. By writ, &c.

CHAPMAN. 8th April 1807.

3026. A grant unto WILLIAM CHAPMAN, of the town and county of Newcastle-upon-Tyne, civil engineer, for his invented method or methods of reducing the wear and prolonging the duration of ropes used in drawg coals or other minerals from pits or shafts of mines ; to hold to him, his exors, admors, and asss, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within one calendar month from the date thereof. By writ, &c.

WILLIAMS. 8th April 1807.

3027. A grant unto SAMUEL WILLIAMS, of Finsbury Square, in the city of London, merchant, in consequence of a communication made to him by a foreigner residg abroad, he is in possn of new and improved machines & machinery for spinning wool, cotton, hemp, and other filamentous substances; to hold to him, his exors, admors, & assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within four calendar months from the date thereof. By writ, &c.

HAWKINS. 8th April 1807.

3028. A grant unto RICHARD FRANCIS HAWKINS, of the parish of Saint Anns, Limehouse, in the county of Middx, gent., for his invented certain improvements to all kinds of gun and cannonade carriages, so as to facilitate the working or using, securing, & housing thereof, parlarly adapted to ships ; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Gt Britain & Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within one calendar month from the date thereof ; and also with a clause for supplying His Majesty's service with all such articles of the said invention as shall be required by the masr genl of our ordnance or commrs of the navy for the time being. By writ, &c.

SOUTHWELL. 8th April 1807.

3029. A grant unto WILLIAM SOUTHWELL, of the city of Dublin, musical instrument maker, for his invented certain improvem^{ts} upon a piano forte, which is so constructed as to prevent the possibility of its being so frequently out of tune as piano fortes now generally are, which he denominates "a cabinet piano forte;" to hold to him, his ex̃ors, adm̃ors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. By writ, &c.

CHAPMAN. 11th April 1807.

3030. A grant unto WILLIAM CHAPMAN, of the town and county of Newcastle-upon-Tyne, civil engineer, for his invented method or methods of putting coals on board of ships, lighters, and other vessels, so as to prevent a great portion of the breakage of the coals w̃ch takes place in the usual method of shipping them by spouts; to hold to him, his ex̃ors, adm̃ors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof, and also with a clause for supplying His Mãty's service with all such articles of the said invention as shall be required by the comm^{rs} of navy for the time being. By writ, &c.

PATY. 11th April 1807.

3031. A grant unto THOMAS PATY, of S^{t} Thomas's, Watering, Kent Road, in the parish of S^{t} Giles, Camberwell, in the county of Surrey, manufacturer, for his discovered method of dying, spinning, weaving, & manufacturing of East India sun hemp into carpets & carpet rug matts, w̃ch will be more durable & less expensive than any now in use; to hold to him, his ex̃ors, adm̃ors, and assigns, within that p^{t} of our united kingdom of G^{t} B^{n} & Ireland called England, our dominion of Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. By writ, &c.

FORSYTH. 11th April 1807.

3032. A grant unto ALEX^{r} JOHN FORSYTH, clk, of Belhelvie, Aberdeenshire, in Scotland, for his advantageous method of discharging or giving fire to artillery and all other fire arms, mines, chambers, cavities, and places in w̃ch gunpowder or other combustible matter is or may be put for the purpose of explosion; to hold to him, his ex̃ors, adm̃ors, and assigns, within that part of our united kingdom of Great Britain & Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed, and also in all our colonies and plantations abroad, for the term of fourteen years pursuant to the statute; with a clause to inroll the same within six calendar months from the date thereof, and also with a clause for supplying His Mãty's service with all such articles of the said invention as shall be required by the master gen of the ordnance for the time being. By writ, &c.

BERTE. 15th April 1807.

3033. A grant unto ANTHONY FRANCIS BERTE, of the parish of S^{t} Dunstan-in-the-West, in the city of London, merchant, in consequence of a communication made to him by a certain foreigner residing abroad, he is in possession of certain improvements in casting printers types and sorts, and other articles of metal; to hold to him, his ex̃ors, adm̃ors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. By writ, &c.

DALTON.
21st April 1807.

3034. A grant unto JAMES FORBES DALTON, of High Holborn, in the county of Middx, coach maker, for his invd certain improvements in the construction of four wheel carriages; to hold to him, his exs, ads, & ass, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within six calendar months from the date thereof. By writ, &c.

SHOTWELL.
21st April 1807.

3035. A grant unto WILLIAM SHOTWELL, of the city of New York, in America, now residing in the city of London, merchr, for his invd certain machines & improvements upon machines for the purpose of bleaching, washing, and cleansing linen, and every other article that can be done by hand; to hold to him, his exs, ads, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. By writ, &c.

MATTERFACE.
21st April 1807.

3036. A grant unto ABRAHAM MATTERFACE, of the parish of Christ Church, in the county of Surrey, millwright, for his invented certain improvements in the construction of a machine for mashing and mixing malt; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. By writ, &c.

NOBLE.
25th April 1807.

3037. A grant unto MARK NOBLE, of the parish of Battersea, in the county of Surrey, engine maker, for his invented new chain pump, a new hand pump, and a new improved extinguishing fire engine; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within six calendar months from the date thereof; and also with a clause for supplying His Majesty's service with all such articles of the said invention as shall be required by the commrs of the navy for the time being. By writ, &c.

STANLEY.
28th April 1807.

3038. A grant unto ROBERT JOHN STANLEY, of the town of Gainsborough, in the county of Lincoln, gent., for his invented new method of tanning leather without the use or application of bark (or mineral astringent), except in the tanning of backs and bins; yielding a great advantage, both in respect of time and expence; whereby as good, if not a superior article or commodity is produced; that the ingredients required by this method of tanning are entirely of a vegetable quality, and the principal part thereof the produce of the united kingdom; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed, for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. By writ, &c.

CABANEL.
5th May 1807.

3039. A grant unto RUDOLPHE CABANEL, of Lambeth, in the county of Surrey, engineer, for his invd considerable improvements in the construction of wheels and axle trees, by wch will be obtained, amongst others, the following material advantages: the carriage will be less liable to overturn, and, in consequence of the friction being almost wholly done away, will move with much less power or labour of the horses, the necessary oil or greese being

supplied without separating the wheel from the axle are so securely attached as to obviate entirely the frequent accident of the coming off of the wheels in travelling; and should they by any means be damaged or destroyed, any other wheel, whe[r] of coach, cart, or waggon, may be immediately substituted as a temporary resource, and delay thereby prevented, as any single wheel or set of wheels may be shifted for others at pleasure ; to hold to him, his ex[s], ad[s], & ass[s], within that part of our united kingdom of Great B[n] & Ireland called Eng[d], our dominion of Wales, & town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within one calendar month from the date thereof.

By writ, &c.

Woods. 9th May 1807.

3040. A grant unto James Woods, of Oronskirk, in the county of Lancaster, chair maker, for his invented machine for churning milk and cream, which may be used as a pump ; to hold to him, his ex̃ors, adm̃ors, & assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within one calendar month from the date thereof. By writ, &c.

Cubitt. 9th May 1807.

3041. A grant unto William Cubitt, of Walsham, in the county of Norfolk, engineer, for his invented method of equalizing the motion of the sails of windmills ; to hold to him, his ex̃ors, adm̃ors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within one calendar month from the date thereof. By writ, &c.

Frome. 11th May 1807.

3042. A grant unto Francis Frome, of Spring Gardens, Westm[r], in the county of Middx, gent., for his invented improved portable boot jack, with a guard to prevent the possibility of any accident to the legs or ankles in pulling off the boots ; to hold to him, his ex̃ors, adm̃ors, and assigns, within that part of our united kingdom of Great Britain & Ireland called England, our dominion of Wales, & town of Berwick-upon-Tweed, for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. By writ, &c.

Bainbridge. 14th May 1807.

3043. A grant unto William Bainbridge, of the parish of S[t] Andw, Holborn, in the city of London, musical instrument maker, for his invented certain improvements on the flageolet or English flute ; to hold to him, his ex̃ors, adm̃ors, & ass[s], within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, & town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within one calendar month from the date thereof. By writ, &c.

Roebuck. 14th May 1807.

3044. A grant unto John Roebuck, of Warren Street, in the parish of Saint Pancras, in the county of Middx, civil engineer, for his invented certain improvements in a machine called the Caledonian balance ; to hold to him, his ex̃ors, adm̃ors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within one calendar month from the date thereof. By writ, &c.

GOULD. 26th May 1807.

3045. A grant unto CHESTER GOULD, of Walworth, in the county of Surrey gent^{n}, for his invented certain improvements on a machine for mangling linen and other articles requiring to be mangled ; to hold to him, his ex̃ors, adm̃ors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within four calendar months from the date thereof.

By writ, &^{c}.

BOWYER. 29th May 1807.

3046. A grant unto JOSEPH BOWYER, of Kidderminster, in the county of Worcester, carpet manufacturer, for his method of working or manufacturing of carpeting for carpets and carpet rugs, not heretofore used ; to hold to him, his ex̃ors, adm̃ors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within one calendar month from the date thereof. By writ, &^{c}.

BROWN. 2nd June 1807.

3047. A grant unto JOHN BROWN, of the parish of Saint Andrew, Hubbard, in the city of London, stationer, for his invented certain improvements in the construction of a press for printing books and other articles, part of which may be applied to presses now in common use ; to hold to him, his ex̃ors, adm̃ors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within one calendar month from the date thereof.

By writ, &^{c}.

BYWATER. 6th June 1807.

3048. A grant unto JOHN BYWATER, of the town and county of the town of Nottingham, for his invented certain improvements in the construction of windlasses for weighing the anchors of ships and navigable vessels, and various other purposes ; to hold to him, his ex̃ors, adm̃ors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed, and also in all our colonies and plantations abroad, for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within one calendar month from the date thereof ; and also with a clause for supplying His Majesty's service with all such articles of the said invention as shall be required by the comm^{rs} of the navy for the time being. By writ, &^{c}.

POLLOCK. 11th June 1807.

3049. A grant unto ALLAN POLLOCK, of Paisley, North Britain, at present residing in London, merchant, for his invented stove of a new construction, and various improvements applicable to stoves, grates, and fire places ; to hold to him, his ex̃ors, adm̃ors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed, and also in all our colonies and plantations abroad, for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within four calendar months from the date thereof. W. H. M. at West^{r}, the 11th day of June, in the year above.

By writ, &^{c}.

MAUDSLAY. 13th June 1807.

3050. A grant unto HENRY MAUDSLAY, of Margaret Street, Cavendish Square, in the county of Middx, engineer, for his invented improvements in the construction of steam engines ; to hold to him, his ex̃ors, adm̃ors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within one calendar month from the date thereof. By writ, &^{c}.

PLOWDEN. 13th June 1807.

3051. A grant unto FRANCIS PLOWDEN, of Essex Street, Strand, in the county of Middlesex, esq^r, for his invented safe and sure method of preserving for an extraordinary length of time, at sea and on land, butchers meat, animal and other comestible substances, in a sweet, palatable, and nutritious state, without acid, salt, or drying; the preservation of which apthartic viands he conceives will be of great public utility ; to hold to him, his ex̃ors, adm̃ors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed, and also in all our colonies and plantations abroad, for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within six calendar months from the date thereof; and also with a clause for supplying His Majesty's service with all such articles of the said invention as shall be required by the commissioners of the navy for the time being. By writ, &c.

SYEDS. 16th June 1807.

3052. A grant unto JOHN SYEDS, of Rotherhithe Wall, in the county of Surrey, compass maker, for his invented certain improvements in the construction of a machine for making rope or cordage, either shroud or cable laid, and in the mode of manufacturing the same ; to hold to him, his ex̃ors, adm̃ors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within one calendar month from the date thereof ; and also with a clause for supplying His Majesty's service with all such articles of the said invention as shall be required by the commissioners of the navy for the time being. By writ, &c.

BARLOW. 16th June 1807.

3053. A grant unto ROBERT BARLOW, of Spring Gardens, in the county of Middx, chemist and medical electrician, for his inv^d certain oriental aromatic chemical compositions or compounds, to be made and moulded into various forms, shapes, & ornamental devices, as amulets in butterflies, birds, shells, and animals, and to be worn as an ornamental part of dress by ladies and gentlemen, as rings, broaches, lockets, pins, combs, bandaus, and other ornaments, which oriental aromatic chemical composition he denominates Ebenbesamic and Ebengavin bosamic composition or compounds, or aromatic variegated artificial marbles and stones, opaque and transparent; to hold to him, his ex̃ors, adm̃ors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within one calendar month from the date thereof. By writ, &c.

ATKINS. 16th June 1807.

3054. A grant unto WILLIAM ATKINS, of the city of Norwich, shawl manufacturer, for his invented certain improvements in the construction of a loom for weaving borders or stripes, or different colours on shawls, or any goods made of cotton, silk, linen, or worsted, or any mixture of the same ; to hold to him, his ex̃ors, adm̃ors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within four calendar months from the date thereof. By writ, &c.

PALMER. 26th June 1807.

3055. A grant unto JOHN PALMER, of Enon Cottage, Shrewsbury, in the county of Salop, for his invented new method of constructing and erecting bridges ; to hold to him, his ex̃ors, adm̃ors, and assigns, within that part of our united kingdom of great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within one calendar month from the date thereof. By writ, &c.

DICKINSON. 30th June 1807.

3056. A grant unto JOHN DICKINSON, of the parish of Saint Martin, Ludgate, in the city of London, stationer, for his invented certain machines or machinery for cutting and placing paper ; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within six calendar months from the date thereof

By writ, &c.

BOUND. 4th July 1807.

3057. A grant unto WILLIAM BOUND, of Ray Street, in the parish of St James, Clerkenwell, in the county of Middx, smith and iron founder, for his invd receiver, applicable to register and other stoves, by which means the cinders and ashes are with cleanliness and safety constantly retained, while the same forms an easy support to a general fire screen ; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within one calendar month from the date thereof. By writ, &c.

PELLATT. 7th July 1807.

3058. A grant unto APSLEY PELLATT, of St Pauls Church Yard, in the city of London, glass manufacturer, for his invd improved method for admitting light into the internal parts of ships, vessels, buildings, and other places ; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within one calendar month from the date thereof, and also with a clause for supplying His Majesty's service with all such articles of the said invention as shall be required by the commissioners of the navy for the time being. By writ, &c.

GRÖLL. 13th July 1807.

3059. A grant unto CHARLES GRÖLL, of Leicester Fields, in the parish of Saint Martin and city of Westminster, for his discovered and invented certain improvements on harps ; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within six calendar months from the date thereof. By writ, &c.

NORTON. 13th July 1807.

3060. A grant unto JOHN NORTON, of Rolls Buildings, Fetter Lane, in the city of London, mathematical instrument maker, for his invented improved pump ; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within one calendar month from the date thereof, and also with a clause for supplying His Majesty's service with all such articles of the said invention as shall be required by the commrs of the navy for the time being. By writ, &c.

BRADLY. 13th July 1807.

3061. A grant unto JAMES BRADLY, of Maid Lane, Southwark, in the county of Surrey, iron founder, for his invented new kind of iron bar to be used in fire places, for boilers, furnaces, hothouses, and any other fire place where bars are used ; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within one calendar month from the date thereof. By writ, &c.

HOWDEN. 20th July 1807.

3062. A grant unto GORDON HOWDEN, of Oxford Street, in the county of Middx, sadler, for his invented girth pannel, which most effectually prevents the saddle from getting forward upon any description of horses, however much nature may, in the shape of the animal, work against it; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof; and also with a clause for supplying His Majesty's service with all such articles of the said invention as shall be required by the master gen^{l} of the ordnance for the time being. By writ, &c.

BIRCH. 21st July 1807.

3063. A grant unto CHARLES LUCAS BIRCH, of Great Queen Street, in the parish of Saint Giles-in-the-Fields, in the county of Middx, coach maker, for his invented improvem^{t} in the construction of the roofs and upper quarters of landaus, landaulets, barouche landaus, barouches, barouchets, curricles, and other carriages the upper parts of which are made to fall down; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. By writ, &c.

PHILLIPS. 28th July 1807.

3064. A grant unto JOHN PHILLIPS, of East Stonehouse, in the county of Devon, stone mason and sculptor, for his invented method or methods of constructing & removing offices, counting houses, and other rooms with desks, draw^{s} boards, and other similar conveniences, which method or methods may also be applied in the constructing and removing of bridges, cottages, sentry boxes, and to other erections of a smaller or larger extent; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within six calendar months from the date thereof. By writ, &c.

ASTLEY. 28th July 1807.

3065. A grant unto JOSEPH ASTLEY, of Borrowstounness, in that part of our united kingdom of Great Britain and Ireland called Scotland, chemist, for his invented improvements in the manufacture of sal-ammoniac; to hold to him, his exors, ad^{s}, & ass^{s}, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within four calendar months from the date thereof. By writ, &c.

WOOD. 30th July 1807.

3066. A grant unto ENOCH WOOD, of Burslem, in the county of Stafford, potter, for his invented method or contrivance of applying power for the purpose of raising water from lower to a higher level; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. By writ, &c.

DICKINSON. 1st August 1807.

3067. A grant unto ROBERT DICKINSON, of Long Acre, in the county of Middx, esq^{r}, for his invented certain improvements on or in machinery for improving turnpike and other roads, and for other purposes; to hold to him,

his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within six calendar months from the date thereof. By writ, &c.

WILMOT. 10th August 1807.

3068. A grant unto EDWd COKE WILMOT, of Birmingham, in the county of Warwick, gent., for his invented instrument for the purpose of warming beds, and which may be applied to various other purposes; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed, for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. By writ, &c.

REES. 15th August 1807.

3069. A grant unto RICHARD REES, of Red Lion Passage, in the county of Middx, cutler, for his invented certain improvements in trusses for persons afflicted with ruptures; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. By writ, &c.

HILL. 26th August 1807.

3070. A grant unto SAMl HILL, of Whiteley Wood, in the parish of Sheffield, in the county of York, saw maker, for his invented method of making iron and steel backs, for fixing upon and using with the blades of scythes and of straw and hay knives, whether the blades thereof be rolled, forged, cast, hammered, or otherwise manufactured; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. By writ, &c.

DODD. 8th Sept. 1807.

3071. A grant unto RALPH DODD, of Exchange Alley, in the city of London, engineer, for his invented still or alembic, with a refrigeratory worm or condenser, and a piston and rod, for the use of distillers, brewers, and other persons using the like machinery; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within six calendr months from the date thereof. By writ, &c.

DAY. 9th Sept. 1807.

3072. A grant unto JAMES DAY, of Church Lane, Whitechapel, in the county of Middx, merchl, for his invd method of making and compounding a certain liquid composition called Danzic or Dantzic spruce, or Danzig or Dantzic black beer; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. By writ, &c.

PEDDER. 19th October 1807.

3073. A grant unto WILLIAM PEDDER, of Norfolk Street, in the Strand, in the county of Middx, esqr, for his invented addition & improvemt to the cattle mills and water mills for grinding sugar canes, or any other mill or machine

requiring additional velocity and power ; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain & Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed, and also in all our colonies and plantations abroad, for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within one calendar month from the date thereof. By writ, &c.

MONZANI. 19th October 1807.

3074. A grant unto TEBALDO MONZANI, of Old Bond Street, in the county of Middx, and of Cheapside, in the city of London, music seller, for his invented certain improvements on the musical instrument called the German flute ; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within one calendar month from the date thereof. By writ, &c.

SHORTER. 19th October 1807.

3075. A grant unto EDW^d SHORTER, of the parish of S^t Giles, Cripplegate, in the city of London, mechanic, for his invented certain improvements in the machine or instrument called or known by the name of a jack for roasting meat; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within one calendar month from the date thereof. By writ, &c.

CARON. 21st October 1807.

3076. A grant unto LOUIS CARON, of the city of Paris, but now residing in the city of London, manufacturer, for his inv^d certain new methods of weaving or manufacturing hair along with silk or thread or other materials, and of making the same into perukes or wigs, and various other articles, so as to imitate nature ; and of taking the measure, or section, or profile of the head by an instrument applicable to that and other useful purposes ; to hold to him, his ex^s, ad^s, & ass^s, within that part of our united kingdom of Great Britain & Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within one calendar month from the date thereof. By writ, &c.

THOMSON. 30th October 1807.

3077. A grant unto HENRY THOMSON, of Tottenham, in the county of Middx, for his invented and discovered invention which consists in the impregnating Cheltenham or other natural medicinal waters, or such as are usually denominated "mineral waters," with one or more of the different gases or aeriform fluids, and in adding other substances to or combining the same with such waters ; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within one calendar month from the date thereof. By writ, &c.

CHAPMAN. CHAPMAN. 30th October 1807.

3078. A grant unto W^m CHAPMAN, of the town and county of Newcastle-upon-Tyne, civil engineer, and EDWARD WALTON CHAPMAN, of the same place, rope maker, for their invented method or methods of making a belt or flat band, for the purpose of drawing coals and other minerals up the pits or shafts of mines, and for raising of heavy articles in any situation whatever ; to hold to them, their exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. By writ, &c.

6th Nov. 1807.

3079. A grant unto GEORGE HAWKS, of Gateshead, in the county of Durham, iron manufacturer, for his invented new method of making and likewise of keeping in repair cast iron wheels for coal waggons and other carriages where such wheels are applicable ; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within four calendar months from the date thereof. By writ, &c.

DICKINSON.
12th Nov. 1807.

3080. A grant unto JOHN DICKINSON, of the parish of St Martin, Ludgate, in the city of London, stationer, for his invented cannon cartridge paper, manufactured on an improved principle ; to hold to him, his exors, ads, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed, for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within one calendar month from the date thereof ; and also with a clause for supplying His Majesty's service with all such articles of the said invention as shall be required by the master genl of the ordnance & commrs of the navy for the time being. By writ, &c.

JEWELL.
17th Nov. 1807.

3081. A grant unto JOSEPH JEWELL, of Stratford, in the county of Essex, chymist, for his invented discovered method of preparing or reducing to an impalpable powder, for medicinal use, the substance commonly called or known by the name of calomel, whereby the process usually employed of levigating the same is rendered unnecessary ; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within one calendar month from the date thereof. By writ, &c.

LESTER.
21st Nov. 1807.

3082. A grant unto WILLIAM LESTER, of Paddington Green, in the parish of Paddington, in the county of Middx, engineer, for his invented various further improvements on an engine or machine for separating corn seeds and pulse from the straw and chaff, and for wch said engine or machine the said W. Lester obtained His Majesty's Letters Patent, dated 16th Janry 1805 ; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within six calendar months from the date thereof. By writ, &c.

ROBERTS.
28th Nov. 1807.

3083. A grant unto SAMUEL ROBERTS, of Sheffield, in the county of York, silver plater, for his invented toast tray, capable of being contracted or expanded at pleasure ; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within one calendar month from the date thereof. By writ, &c.

COBB.
4th Dec. 1807.

3084. A grant unto THOS COBB the younger, of Calthorp House, near Banbury, in the county of Oxford, paper maker, for his invented certain improvements in the art of making paper in separate sheets ; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within six calendar months from the date thereof. By writ, &c.

MANTON. 5th Dec. 1807.

3085. A grant unto JOSEPH MANTON, of Davies Street, Berkeley Square, London, gun-maker, for his invented certain improvements in time keepers; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. By writ, &c.

WILLIAMS. 9th Dec. 1807.

3086. A grant unto JOHN WILLIAMS, of Cornhill, in the city of London, stationer, for his invented new mode of covering and inclosing all kinds of carriages; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. By writ, &c.

LAYBOURN. MILBOURN. 9th Dec. 1807.

3087. A grant unto MARK LAYBOURN, of Great Driffield, in the county of York, mechanic, and RICHARD MILBOURN, of the same place, gent., for their invented improved roving machine for preparing flax, tow, and wool for spinning; to hold to them, their exors, admors, & assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. By writ, &c.

DE VAUX. 9th Dec. 1807.

3088. A grant unto CHARLES GRANT Viscount DE VAUX, of Elizabeth Street, Hans Square, in the parish of Saint Luke, Chelsea, in the county of Middlesex, for his invented machine which will shew the latitude and longitude at sea, serving also for weighing any object, for measuring space, or the course of a ship and time, shewing and keeping account upon dials and upon cosmographical columns which are part of such machine, and also shewing the leeway of a ship, part of which machine may also be applied to other useful purposes; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. By writ, &c.

BRECK. 16th Dec. 1807.

3089. A grant unto JAMES BRECK, of Newcastle-under-Lyne, in the county of Stafford, iron monger, for his invented new method of manufacturing iron straps or girdles into various articles, as a substitute for those now composed of hemp; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. By writ, &c.

REMINGTON. 16th Dec. 1807.

3090. A grant unto GEORGE REMINGTON, of Queens Square, Bloomsbury, in the county of Middx, cabinet maker, for his invented certain improvements on tables and couches; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. By writ, &c.

WILLIAMS. 19th Dec. 1807.

3091. A grant unto JOHN WILLIAMS, of Cornhill, in our city of London, stationer, for his invented method of preserving the equilibrium and preventing all kinds of carriages and vehicles overturning; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof.

By writ, &c.

JUNIPER. 19th Dec. 1807.

3092. A grant unto WILLIAM JUNIPER, of the parish of Saint Saviour, Southwark, in the county of Surrey, engine maker, for his invented certain improved rolls for punching of tier and drawing hoops for the stocks of wheels, and a segment for sweeping and setting the same; to hold to him, his exs, ads, & ass, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, & town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. By writ, &c.

SALTER. 19th Dec. 1807.

3093. A grant unto SAM[l] SALTER, of Watford, in the county of Herts, malster, for his inv[d] apparatus for the purpose of drying malt, hops, or any kind of grain; to hold to him, his exs, ads, & ass, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. By writ, &c.

BRADBURY. 24th Dec. 1807.

3094. A grant unto JOHN LEIGH BRADBURY, of Navan, in that part of the united kingdom of Great Britain and Ireland called Ireland, for his invented new method of spinning cotton, flax, and wool; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof.

By writ, &c.

EARLE. 13th Jan. 1808.

3095. A grant unto WILLIS EARLE, of Liverpool, in the county of Lancaster, merchant, for his invented certain improvem[ts] in the tillage and dressing of land, and the cultivation of plants; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. By writ, &c.

LEE. PERRIN. 13th Jan. 1808.

3096. A grant unto JAMES LEE, of Plaistow, in the county of Essex, merchant, and JOHN PERRIN, of the same place, esq[r], for their invented new mode of preparing certain kinds of hemp, by which the value and the utility of the articles is much increased; to hold to them, their exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed, and also in all our colonies and plantations abroad, for the term of fourteen years pursuant to the statute; with a clause to inroll the same within six calendar months from the date thereof. By writ, &c.

WILKINSON. 23rd Jan. 1808.

3097. A grant unto JOHN WILKINSON, of Bradley Iron Works, in the liberty of Bilston, in the county of Stafford, esq[r], for his invented new method of making pig or cast metal from the ore, which, when manufactured into bar

iron, will be found equal in quality to any that is imported from Russia or Sweden ; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. By writ, &c.

JOHANSEN. 23rd Jan. 1808.

3098. A grant unto ANDREW JOHANSEN, of Homerton, in the parish of Hackney and county of Middx, gent., for his invented certain improved methods of manufacturing a kind of tablet or artificial whetstone for whetting or sharpening razors, penknives, surgeons instruments, and other cutlery, and wch he usually denominates "cotific tablets" ; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain & Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. By writ, &c.

NOBLE. 23rd Jan. 1808.

3099. A grant unto EDWARD MOORE NOBLE, of Birmingham, in the county of Warwick, surgeon, for his invented new method of making of carbonate of lead, commonly called white lead ; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within six calendar months from the date thereof. By writ, &c.

PHELPS. 23rd Jan. 1808.

3100. A grant unto SAMUEL PHELPS, of Cupers Bridge, Lambeth, in the county of Surrey, esqr, for his invented certain improvements in manufacturing soap ; to hold to him, his exors, admors, & assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within six calendar months from the date thereof. By writ, &c.

PRESTON. 26th Jan. 1808.

3101. A grant unto THOMAS PRESTON the younger, of Tooley Street, Southwark, and county of Surrey, lead merchant, for his invented new method of setting boilers for steam engines, pans for melting lead, tin, pewter, and other metals of easy fusion ; and a new mode of discharging the pans for melting lead, tin, pewter, &c, as before named, when full ; and setting coppers and boilers of every description ; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within four calendar months from the date thereof. By writ, &c.

SAVAGE. 26th Jan. 1808.

3102. A grant unto GEORGE SAVAGE, of Huddersfield, in the county of York, watchmaker, for his invented new method of regulating or equalizing the force or power of the main spring in watches or other machines for measuring time ; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within one calendar month from the date thereof. By writ, &c.

STEWART. 26th Jan. 1808.

3103. A grant unto WILLIAM STEWART, of Limehouse, in the county of Middlesex, builder, for his invented certain improvements in making bricks and tiles ; to hold to him, his exors, admors, and assigns, within that part our united kingdom of Great Britain and Ireland called England, our dominion of

Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. By writ, &c.

JOHNSON. WILMOT. 28th Jan. 1808.

3104. A grant unto JOSEPH JOHNSON and JOHN WILMOT, of Birmingham, in the county of Warwick, manufacturers, for their invented new kind of warming pans, which is not only applicable to the purpose of airing and warming beds, but also for airing and warming rooms or carriages, or for other purposes requiring a long and protracted heat; to hold to them, their exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. By writ, &c.

NEWBERRY. 30th Jan. 1808.

3105. A grant unto WILLIAM NEWBERRY, of Saint John Street, in the county of Middx, gentn, for his invented certain machinery for the purpose of sawing wood, splitting or paring skins; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and in all our colonies and plantations abroad, for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. By writ, &c.

DUMBELL. 4th Feb. 1808.

3106. A grant unto JOHN DUMBELL, of Mersey Mills, in the parish of Warrington and county palatine of Lancaster, miller, for his invented method or methods of obtaining, producing, using, and cultivating a moving power or force, & of communicating motion to engines, pumps, and machinery, and to mechanical operations in general; and of forming and using a rotary or circular motion, or a motion to and fro, ad libitum; and a method or methods of working and applying the same to mills, machinery, ploughs, tools, and equipage in general, and almost to an endless variety of valuable purposes, and in partlar to carriages; and also a method or methods of making less disastrous and less frequent the overturning of carriages; and of improving their structure, and of guiding and governing the same, which carriages or mechanism, when embracing his appendages and conceits, he distinguishes by the name of ess, or George's wain; to hold to him, his exors, admors, and asss, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed, and in all our colonies and plantations abroad, for the term of fourteen years pursuant to the statute; with a clause to inroll the same within six calendar months from the date thereof. By writ, &c.

BROWN. 4th Feb. 1808.

3107. A grant unto SAMl BROWN, a lieutt in the royal navy, and now residing in Castle Court, Budge Row, Watling Street, in the city of London, for his invented discovered certain invents and improvements in the rigging of ships or vessels; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within six calendar months from the date thereof; and also with a clause for supplying His Mãty's service with all such articles of the said invcn as shall be required by the commissioners of the navy for the time being. By writ, &c.

SNOWDEN. 4th Feb. 1808.

3108. A grant unto WILLIAM FRANCIS SNOWDEN, of Oxford Street, in parish of Saint George, Hanover Square, and county of Middx, engine maker, for his invented certain improvements in an engine for cutting hay &

straw into chaff, and for cutting other articles; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within four calendar months from the date thereof. By writ, &c.

MORRIS. 4th Feb. 1808.

3109. A grant unto JOHN SHORTER MORRIS, of Pancras Place, in the parish of Pancras, in the county of Middx, gent., for his invented certain machine for mangling; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed, and in all our colonies and plantations abroad, for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. By writ, &c.

WEDGWOOD. 22nd Feb. 1808.

3110. A grant unto RALPH WEDGWOOD, of Oxford Street, in the county of Middx, gent., for his invented apparatus for producing several original writings or drawings at one and the same time, which he calls a pennapolygraph, or pen and stylographic manifold writer; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. By writ, &c.

THOMSON. 3rd March 1808.

3111. A grant unto SAMUEL THOMSON, of Addle Street, in the city of London, callenderer, for his invented machine, engine, or frame, for the purpose of widening or stretching to the width, leather, cloth of linen, cloth of cotton, cloth of woollen, or of a mixture of either brown, bleached, printed, stained or dyed, and all descriptions of piece goods; to hold to him, his exors, admors, & ass^{s}, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. By writ, &c.

WILLCOX. 3rd March 1808.

3112. A grant unto RICHARD WILLCOX, of the parish of Saint Mary, Lambeth, in the county of Surrey, machinist, for his invented certain machinery or apparatusses, whereby all objects in the sea, or clear water, can be discovered from the surface thereof with accuracy; and for raising, suspending, and towing into harbour ships of war, and every other description of vessels that are or may be sunk at sea, or near the sea coasts, channels, harbours, roadsteads, or other places, and removing sunken rocks or other obstructions in rivers, harbours, and channels; to hold to him, his exors, admors, and ass^{s}, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed, and also in all colonies and plantations abroad, for the term of fourteen years pursuant to the statute; with a clause to inroll the same within 20 calendar months from the date thereof; and also with a clause for supplying His Majesty's service with all such articles of the said invention as shall be required by the comm^{rs} of the navy for the time being. By writ, &c.

WINSOR. 3rd March 1808.

3113. A grant unto FRED^{k} ALBERT WINSOR, of Pall Mall, in the county of Middx, esq^{r}, for his inv^{d} certain improvements upon his former patent oven, stove, or apparatus, for carbonising all sorts of raw fuel and combustibles, and reducing them into superior fuel of coke and charcoal; as well as for extracting and saving, during the same process, the oil, tar, pyroligneous,

vegetable, acid, and ammonial coal liquors, and for extracting and refining all the inflammable air or gas, so as to deprive it of all disagreeable odour during combustion, and rendering the gas itself salutary for human respiration when properly diluted with atmospheric air ; and various methods of applying the above products to useful purposes; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within 6 calendar months from the date thereof.

By writ, &c.

COWDEN.
PARTRIDGE.
3rd March 1808.

3114. A grant unto JOHN COWDEN and JOHN PARTRIDGE, of Francis Street, Tottenham Court Road, in the county of Middx, for their invented certain improvements in register and other stoves ; to hold to them, their exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within one calendar month from the date thereof. By writ, &c.

JEFFERSON.
ELLIS.
GALLOWAY.
7th March 1808.

3115. A grant unto THOMAS JEFFERSON, of the parish of St Saviour, Southwark, in the county of Surrey, tanner and leather dresser, JOSEPH ELLIS, of the parish of St Saviour, aforesaid, tanner and leather dresser, and ALEXANDER GALLOWAY, of Holborn, in the county of Middx, mechanist engineer, for their invented machine or machines for the purpose of finishing, glazing, and glossing of leather ; to hold to them, their exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within one calendar month from the date thereof. By writ, &c.

BRUNEL.
14th March 1808.

3116. A grant unto MARC ISAMBARD BRUNEL, of Chelsea, in the county of Middx, for his invented certain improvements on circular saws, for sawing wood in an easy and expeditious manner ; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within six calendar months from the date thereof.

By writ, &c.

MAUDSLAY.
14th March 1808.

3117. A grant unto HENRY MAUDSLAY, of Margaret Street, Cavendish Square, in the county of Surrey, gent., for his invented machine or machines for printing calicoes and other articles ; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within four calendar months from the date thereof. By writ, &c.

DONKIN.
14th March 1808.

3118. A grant unto BRYAN DONKIN, of Fort Place, Bermondsey, in the county of Surrey, gent., for his invented pen upon a new construction ; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within one calendar month from the date thereof. By writ, &c.

POLLARD. 14th March 1808.

3119. A grant unto GEORGE NATHANIEL POLLARD, of Queen Street, in the county of Surrey, lapidary, for his invented certain improv^{ts} in machinery, for grinding, smoothing, and polishing plate and other glass for looking glasses, mirrors, and various other articles ; to hold to him, his ex̃ors, adm̃ors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within two calendar months from the date thereof.

By writ, &c.

WEEKS. 17th March 1808.

3120. A grant unto EDW^{d} WEEKS, of Llaveny Hall, in the parish of Henlau and county of Denbigh, in North Wales, gardener, for his inv^{d} and brought to perfection a forcing frame, on a new and improved construction, for raising and forcing of cucumbers, melons, strawberries, and various other fruits and plants which require the application of artifical heat to rear or ripen the same ; to hold to him, his ex̃ors, adm̃ors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within one calendar month from the date thereof. By writ, &c.

THOMAS. 26th March 1808.

3121. A grant unto ANTHONY THOMAS, of Duke Street, Saint James, in the county of Middx, for his invented certain method of manufacturing hats, bonnets, and other articles of the like description ; to hold to him, his ex̃ors, adm̃ors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and the town of Berwick-upon Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within one calendar month from the date thereof.

By writ, &c.

COOK. 26th March 1808.

3122. A grant unto BENJAMIN COOK, of Birmingham, in the county of Warwick, manufacturer, for his invented new method of making barrels for fowling pieces, muskets, pistols, and other similar fire arms, and ram rods for the same ; to hold to him, his ex̃ors, adm̃ors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within 6 calendar months from the date thereof; and also with a clause for supplying His Majesty's service with all such articles of the said invention as shall be required by the mas^{r} gen^{l} of the ordnance for the time being. By writ, &c.

DICKSON. 29th March 1808.

3123. A grant unto JOHN DICKSON, of Edward Street, in the county of Surrey, engineer, for his invented improved method of constructing cocks for stopping fluids, and which cocks by one motion or operation will permit such fluids to pass in different directions ; to hold to him, his ex̃ors, adm̃ors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within one calendar month from the date thereof. By writ, &c.

DIBDIN. 9th April 1808.

3124. A grant to CHARLES DIBDIN, of Cranford, in the county of Middx, for his discovered method of facilitating the learning of music ; to hold to him, his ex̃ors, adm̃ors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within one calendar month from the date thereof. By writ, &c.

MATHEW. 27th April 1808.

3125. A grant unto DANIEL DERING MATHEW, of Upper Marybone Street, in the county of Middx, esqr, for his invented certain improvements in the construction of watches and chronometers ; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed, for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within one calendar month from the date thereof. By writ, &c.

CHAPMAN. 27th April 1808.

3126. A grant unto WILLIAM CHAPMAN, of the town and county of Newcastle-upon-Tyne, civil engineer, for his invented method or methods of conveying coals and other minerals in the working of mines, or below ground, and of returning the empty vessels and carriages, so as to save much labour and expence ; to hold to him, his exors, admors, & assigns, within that part of our united kingdom of Gt Bn & Ireland called England, our dominion of Wales, & town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute ; with a clause to inroll the same within 4 calendar months from the date thereof. By writ, &c.

BELL. 30th April 1808.

3127. A grant unto WILLIAM BELL, of Birmingham, in the county of Warwick, engineer, for his invented (an improvement in making pipes or pumps) for conducting water and other liquids ; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within one calendar month from the date thereof. By writ, &c.

COLEMAN. 30th April 1808.

3128. A grant unto EDWARD COLEMAN, professor of the Veterinary College, in the parish of Saint Pancras, in the county of Middx, for his invented certain improvements in the construction and application of a horse shoe, which will completely prevent several diseases to which the feet of horses are subject, more especially that very general disease called contraction of the hoof ; and is also particularly adapted for flat convex feet for horses of cavalry, and for hunting, and for all purposes where the loss of a shoe is productive of great inconvenience; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within one calendar month from the date thereof ; and also with a clause for supplying His Majesty's service with all such articles of the said invention as shall be required by the secretary at war for the time being. By writ, &c.

CHING. 7th May 1808.

3129. A grant unto REBECCA CHING, of Rush Common, in the parish of St Mary, Lambeth, in the county of Surrey, widow of John Ching, late of Cheapside, in the city of London, apothecary, for her invented certain improvements in a medicine now called Ching's worm destroying lozenges, for which her said late husband obtained Letters Patent, bearing date the 28th of June 1796 ; to hold to her, her exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within one calendar month from the date thereof. By writ, &c.

HARRIOTT. 10th May 1808.

3130. A grant unto JOHN HARRIOTT, of Wapping, in the county of Middx, esqr, for his invented new fire escape, or machinery to be used in cases of fire; to hold to him, his exors, admors, and assigns, within that part of our united

kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. By writ, &c.

HUNT. 10th May 1808.

3131. A grant unto WILLIAM HUNT, of the Brades, in the parish of Rowley Regis, in the county of Stafford, iron master, for his invented method of rolling moulds or plates for trowels from pieces of either blister, sheer, or cast steel, of a square or nearly square or oblong form; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed, for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. By writ, &c.

WATSON. 10th May 1808.

3132. A grant unto JOHN WATSON, late of Bury Place, Bloomsbury, in the county of Middx, gent., but now a prisoner in the King's Bench prison, for his invented certain improvements in the art of soap making, by which the article is in several respects ameliorated; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed, for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. By writ, &c.

GOULD. 17th May 1808.

3133. A grant unto CHESTER GOULD, of the parish of Saint Luke, Old Street, in the county of Middlx, gent., for his invented certain improvements in the construction of a machine for washing or cleansing linen and various other articles; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within four calendar months from the date thereof. By writ, &c.

CONGREVE. 24th May 1808.

3134. A grant unto WILLIAM CONGREVE, of Garden Court, Temple, in the county of Middx, esq^{r}, for his invented gun carriage, of the simplest construction, either for land or sea service, calculated to reduce very considerably the labour of working the guns, to produce a smooth & even recoil, and to prevent the violent action that takes place in common carriages when the gun is fired; at the same time the carriage is of much lighter, less expensive construction, and less liable to be struck and splintered by the enemy's shot, as presenting much less surface: when applied to the sea service it allows, moreover, of a very considerable reduction in the size of the port; to hold to him, his ex^{s}, ad^{s}, & ass^{s}, within that part of our united kingdom of G^{t} B^{n} & Ireland called England, our dominion of Wales, & town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof; and also with a clause for supplying His Majesty's service with all such articles of the said invention as shall be required by the mas^{r} gen^{l} of the ordnance or comm^{rs} of the navy for the time being. By writ, &c.

STEDMAN. 24th May 1808.

3135. A grant unto JOHN STEDMAN, of Horton Kirby, in the county of Kent, farmer, for his invented patten and clogg, of infinite utility and ease to such persons who may wear them; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. By writ, &c.

POTTER.
28th May 1808.

3136. A grant unto WILLIAM HENRY POTTER, of N° 5, Pemberton Row, Gough Square, in the city of London, flute maker, for his inv^d certain new improvement in German flutes and other wind musical instruments; to hold to him, his ex̃ors, adm̃ors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. By writ, &c.

WILLMORE.
TOUKS.
28th May 1808.

3137. A grant unto JOSEPH WILLMORE, of Birmingham, in the county of Warwick, silver smith, and JOHN TOUKS, of the same place, plater, for their invented new method and processes in the manufacturing of nails; to hold to them, their ex̃ors, adm̃ors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. By writ, &c.

THOMAS.
30th May 1808.

3138. A grant unto DAVID THOMAS, of Featherstone Buildings, in the county of Middlesex, gent^n, for his invented and brought to perfection perforated vessel, percolater, and frame, for making or preparing portable coffee; to hold to him, his ex̃ors, adm̃ors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. By writ, &c.

RANSOME.
30th May 1808.

3139. A grant unto ROBERT RANSOME, of Ipswich, in the county of Suffolk, iron founder, for his invented some improvements on the wheel and swing plough; to hold to him, his ex̃ors, adm̃ors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. By writ, &c.

SMITH.
3rd June 1808.

3140. A grant unto THO^s SMITH the yo^r, of Capon Field Iron Works, near Bilston, in the county of Stafford, iron master, for his invented certain improvements in steam engines; to hold to him, his ex̃ors, adm̃ors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. By writ, &c.

DODD.
3rd June 1808.

3141. A grant unto RALPH DODD, of Change Alley, in the city of London, engineer, for his invented improved bridge floorings or platforms, and fire proof floorings, and fire proof roofings, for extensive dwelling houses, warehouses, and mills; to hold to him, his ex̃ors, adm̃ors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within 6 calendar months from the date thereof. By writ, &c.

SHOTWELL.
14th June 1808.

3142. A grant unto WILLIAM SHOTWELL, of the city of New York, in North America, now residing in the parish of Saint Mary, Lambeth, in the county of Surrey, gent^n, that he, in consequence of a communication made to him by a certain foreigner residing abroad, he is in the poss̃on of certain improvements in the manufacturing of mustard; to hold to him, his ex^s, ad^s, & ass^s, within that

part of our united kingdom of Great B^n & Ireland called England, our dominion of Wales, & town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within 6 calendar months from the date thereof. By writ, &c.

TENNANT. GALLOWAY. 14th June 1808.

3143. A grant unto GEORGE TENNANT, of Great Ormond Street, in the county of Middx, gent., and ALEXANDER GALLOWAY, of Holborn, in the same county, mechanist, for their invented machine or machines for cutting all sorts of fustians usually denominated constitution cord, tabby cord, shaft cord, thickset tabby, velveteen, Genoa velveteen, velveret and every other species of fustian velveret and velveteen, also velvet plush and other cloth or goods made of cotton, silk, woolen, or any mixture thereof, usually cut in the manufacture of such articles; to hold to them, their ex̃ors, adm̃ors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within six calendar months from the date thereof. By writ, &c.

LOWE. 23rd June 1808.

3144. A grant unto GEORGE LOWE, of Cheapside, in the city of London, cotton spinner, for his invented and discovered improvement in the manufacture of a fabric composed of flax and cotton, which is applicable to many useful purposes; to hold to him, his ex̃ors, adm̃ors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within six calendar months from the date thereof. By writ, &c.

GADD. 25th June 1808.

3145. A grant unto SAMUEL GADD, of Shadwell, in the county of Middx, rope maker, for his invented improvement in the art of rope making, upon the principle of composing each strand of rope with two distinct threads twisted together, and of the arrangement of the apparatus by which that principle is carried into effect ; to hold to him, his ex̃ors, adm̃ors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within one calendar month from the date thereof, and also with a clause for supplying His Majesty's service with all such articles of the said invention as shall be required by the comm^rs of the navy for the time being. By writ, &c.

HALL. 28th June 1808.

3146. A grant unto JOHN HALL, of the town and county of the town of Kingston-upon-Hull, rope maker, for his invented certain improvements in making and manufacturing ropes and other cordage, and coiling of lines in whale boats ; to hold to him, his ex̃ors, adm̃ors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within one calendar month from the date thereof ; and also with a clause for supplying His Majesty's service with all such articles of the said invention as shall be required by the comm^rs of the navy for the time being. By writ, &c.

POCOCK. 28th June 1808.

3147. A grant unto GEORGE POCOCK, of the city of Bristol, school master, for his invented geographical slates for the construction of maps ; to hold to him, his ex̃ors, adm̃ors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within one calendar month from the date thereof. By writ, &c.

TREVITHICK. DICKINSON. 5th July 1808.

3148. A grant unto RICHARD TREVITHICK, of Rotherhithe, in the county of Surrey, engineer, and ROBERT DICKINSON, of Great Queen Street, in the county of Middx, esq^r, for their invented certain machinery for towing, driving, or forcing and discharging ships and other vessels of their cargoes; to hold to them, their ex̃ors, adm̃ors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within 6 calendar months from the date thereof; and also with a clause for supplying His Majesty's service with all such articles of the said invention as shall be required by the commissioners of the navy or by the elder brethren of the Trinity House for the time being. By writ, &c.

PROCTOR. 6th July 1808.

3149. A grant unto WILLIAM PROCTOR, of Sheffield, in the county of York, opt'cian, for his invented improved methods of melting & using malleable wrought iron or steel; to hold to him, his ex̃ors, adm̃ors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed, and also in all our colonies and plantations abroad, for the term of fourteen years pursuant to the statute; with a clause to inroll the same within four calendar months from the date thereof. By writ, &c.

BROWELL. JACKS. LERMITTE. 11th July 1808.

3150. A grant unto JAMES BROWELL, of Cornhill, in the city of London, tailor and draper, JAMES JACKS, of Cornhill aforesaid, tailor and draper, and THOMAS LERMITTE, of Aldgate, in the said city of London, mans mercer, for their invented new chemical preparation for the purpose of preserving from destruction by mildew, rot, or fermentation, all kinds of woollen and vegetable substances from which woollen, cotton, and linen cloths, canvas, paper, and other manufactures are made; and also for rendering all sorts of woollen, cotton, and linen cloths, canvass, silk, leather, hats, and paper impervious to rain by an improved method; to hold to them, their ex̃s, adm̃ors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within two calendar months after the next sitting or session of Parliament; and also with a clause to supply His Majesty's service with all such articles of the said invention as shall be required by the master gen^l of the ordnance, the comm^rs of the navy, and the elder brethren of the Trinity House. By writ, &c.

HEATHCOAT. 14th July 1808.

3151. A grant unto JOHN HEATHCOAT, of Loughborough, in the county of Leicester, lace manufacturer, for his invented machine for the making or manufacturing of bobbin lace, or lace nearly resembling French lace; to hold to him, his ex̃ors, adm̃ors, and assigns, within that part of our united kingdom of Great Britain and Ireland, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. By writ, &c.

LINAKER. 14th July 1808.

3152. A grant unto JAMES LINAKER, of our Dock Yard, Portsmouth, master millwright, for his invented method or methods of towing, driving, or forcing ships and other vessels; to hold to him, his ex̃ors, adm̃ors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof; and also with a clause for sup-

plying His Majesty's service with all such articles of the said invention as shall be required by the commissioners of the navy or the elder brethren of the Trinity House for the time being. By writ, &c.

CROSBY. 25th July 1808.

3153. A grant unto BENJAMIN CROSBY, of the parish of Saint Martin, Ludgate, in the city of London, bookseller, for his invented stand for books, wch may be made either circular, square, or any other convenient shape, and which may be turned or moved at pleasure; with cases to receive books, as well as various other articles and things; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. By writ, &c.

HAWKES. 25th July 1808.

3154. A grant unto WILLIAM HAWKES, of Newport, in the county of Salop, esqr, for his invented improvements on musical keyed instruments of 12 fixed tones; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. By writ, &c.

RICHARDS. 30th July 1808.

3155. A grant unto GEORGE RICHARDS, of Truro, in the county of Cornwall, architect, for his invented single and double cannon, cannonades, or ordnance musquets, and all other kind of fire arms, on a new principle; and a new method of charging or loading the same, and of fixing or placing bayonets on fire arms; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within four calendar months from the date thereof; and also with a clause for supplying His Majesty's service with all such articles of the said invention as shall be required by the master genl of the ordnance, commrs of the navy, or the elder brethren of the Trinity House for the time being. By writ, &c.

GUEST. 30th July 1808.

3156. A grant unto JOSEPH MASON GUEST, of Birmingham, in the county of Warwick, thread manufacturer, for his improved mill for twisting thread for various purposes; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. By writ, &c.

CURR. 30th July 1808.

3157. A grant unto JOHN CURR, of Belle Vue House, in the parish of Sheffield, in the county of York, gent., for his invented method of applying flat ropes, flat bands, or belts of every kind, to capstans & windlass's of ships and vessels of every description, for the purpose of towing or conveying the said ships and vessels in, out of, or about ports, harbours, rivers, seas, or creeks; and also a method of applying flat or round ropes, lines, bands, or belts for the purpose of catching and detaining whales; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within four calendar months from the date thereof; and also with a clause for supplying His Majesty's service with all such articles of the said invention as shall be required by the commrs of the navy for the time being. By writ, &c.

HEBERT. 30th July 1808.

3158. A grant unto LUKE HEBERT, of the parish of Saint Stephen, Walbrook, in the city of London, gent., for his invented or discovered a machine, on an improved construction, for polishing, embossing, and graining leather, & extending and flattening the same; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. By writ, &c.

TOWNLEY. 9th August 1808.

3159. A grant unto CHARLES GOSTLING TOWNLEY, of Ramsgate, in the county of Kent, esqr, for his invd and discovered a key wch regulates the tone of the flute or other musical instrument capable of the improvement, by causing the bore of it to lengthen or contract at pleasure; which key may be called the tone regulating key; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. By writ, &c.

GALE. 18th August 1808.

3160. A grant unto JAMES GALE, of Shadwell, in the county of Middx, rope maker, for his invented certain improvements in rope making; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof; and also with a clause for supplying His Majesty's service with all such articles of the said invention as shall be required by the commrs of the navy for the time being. By writ, &c.

TILLOCH. 20th August 1808.

3161. A grant unto ALEXANDER TILLOCH, of Barnsbury Street, Islington, in the county of Middx, gent., for his invented and discovered a new physico mechanical power, or, in other words, improved machinery or apparatus capable of being employed as a moving power to work or drive machinery and mill work, and applicable to other useful purposes; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within six calendar months from the date thereof. By writ, &c.

[PRICE. 24th August 1808.

3162. A grant unto THOMAS PRICE, of Bilston, in the county of Stafford, coal master, for his invented improvements in the application of steam for useful purposes, and in the apparatus required to effect the same; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. By writ, &c.

MEAD. 24th August 1808.

3163. A grant unto THOMAS MEAD, of Scott Street, in the parish of Sculcoates, in the county of York, engineer, for his invd method or methods of making and constructing circular or rotative steam engines upon an entire new principle, and employing the elastic or expansive force of steam in a much more efficacious and advantageous manner that has hitherto been done; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. By writ, &c.

CONGREVE. 24th August 1808.

3164. A grant unto WILLIAM CONGREVE, of Garden Court, in the Temple, in the county of Middlesex, esq^r, for his inv^d new principle of measuring time and constructing clocks and chronometers; to hold to him, his ex̃ors, adm̃ors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof.

By writ, &c.

CUFF. 25th August 1808.

3165. A grant unto JOSEPH CUFF the younger, of Whitechapel, in the county of Middx, cheesemonger and bacon merchant, for his invented certain machinery for the more easy, expeditious, and better method of slaughtering hogs, bullocks, and other cattle, whereby much labour will be saved, and the flesh of such cattle greatly improved in quality, and will be more easily and better cured and preserved; to hold to him, his ex̃ors, adm̃ors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within 6 calendar months from the date thereof; and also with a clause for supplying His Majesty's service with all such articles of the said invention as shall be required by the comm^rs for victualling the navy for the time being.

By writ, &c.

DUMBELL. 25th August 1808.

3166. A grant unto JOHN DUMBELL, of Mersey Mills, in the parish of Warrington and county palatine of Lancaster, miller, for his invented method or methods of flax spinning, and of preparing or making a special twist, thread, furniture, cloth, frills, or attire, which he calls telary teguments, from silk, wool, cotton, flax, hemp, or tow, as well as from a very great variety of other articles (in a combined or uncombined state); and for a method or methods of refabricating or renovating the same, and of producing or reproducing from tatters in general a new body; to hold to him, his ex̃ors, adm̃ors, and ass^s, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within 6 calendar months from the date thereof. By writ, &c.

WARREN. 15th Sept. 1808.

3167. A grant unto JOHN WARREN, of the town and county of the town of Poole, stone mason, for his invented apparatus to prevent chimnies from smoaking, and to extinguish fires in grates and stoves without making any dust or smoke injurious to the room or furniture; to hold to him, his ex̃ors, adm̃ors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof.

By writ, &c.

MASSEY. 24th Sept. 1808.

3168. A grant unto EDWARD MASSEY, of Newcastle, in the county of Stafford, clock and watchmaker, for his invented improved clock for drawing off liquors; to hold to him, his ex̃ors, adm̃ors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. By writ, &c.

PATON. 24th Sept. 1808.

3169. A grant unto THOMAS PATON, of the parish of Christ Church, in the county of Surrey, engineer, for his invented improved wheel for various useful purposes; to hold to him, his ex̃ors, adm̃ors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our

dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within one calendar month from the date thereof. By writ, &c.

ERARD. 24th Sept. 1808.

3170. A grant unto SEBASTIAN ERARD, of Great Marlborough Street, in the county of Middlesex, for his invented certain improvements upon piano fortes, large and small, and upon harps, for w̃ch he has already obtained a Patent; to hold to him, his ex̃ors, adm̃ors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within six calendar months from the date thereof. By writ, &c.

THOMASON. 8th October 1808.

3171. A grant unto EDWARD THOMASON, of Birmingham, in the county of Warwick, manufacturer, for his invented various improvements in the construction of umbrellas and parasols ; to hold to him, his ex̃ors, adm̃ors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within one calendar month from the date thereof. By writ, &c.

TREVITHICK. DICKINSON. 31st October 1808.

3172. A grant unto RICHARD TREVITHICK, of Rotherhithe, in the county of Surrey, engineer, and ROBERT DICKINSON, of Great Queen Street, in the county of Midd̃x, esq^r, for their invented new method or way of stowing cargoes of ships and other vessels, by means of packages for containing goods and products of certain descriptions destined for conveyances by sea not hitherto employ'd, by which means expences of stowage room will be saved, and the contents be rendered more safe against damage ; to hold to them, their ex̃ors, adm̃ors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed, and in all our colonies and plantations abroad, for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within six calendar months from the date thereof ; and also with a clause for supplying His Majesty's service with all such articles of the said invention as shall be required by the comm^rs of the navy and the elder brethren of the Trinity House for the time being. By writ, &c.

VAN WART. 31st October 1808.

3173. A grant unto HENRY VAN WART, of Liverpool, in the county palatine of Lancaster, merchant, for that, in consequence of a communication made to him by Isaiah Jennings, a citizen of the United States of America, he is in possession of a method of making a machine for manufacturing thimbles for the sails of ships and vessels, and for all sorts of rigging and other purposes ; to hold to him, his ex̃ors, adm̃ors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within one calendar month from the date thereof ; and also with a clause for supplying His Majesty's service with all such articles of the said invention as shall be required by the comm^rs of the navy for the time being. By writ, &c.

BERROLLAS. 31st October 1808.

3174. A grant unto JOSEPH ANTHONY BERROLLAS, of Denmark Street, in the parish of Saint Giles-in-the-Fields, in the county of Midd̃x, watch maker, for his invented and found out a method of making infallible repeating watches ; to hold to him, his ex̃ors, adm̃ors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within one calendar month from the date thereof. By writ, &c.

BARRATT. 31st October 1808.

3175. A grant unto ZACHARIAH BARRATT, of Croydon, in the county of Surry, gentleman, for his invented machine for washing linen and cotton clothes, and other similar things, which may be affixed or omitted at pleasure; a contrivance for pressing the water from them, now commonly done by wringing; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. By writ, &c.

ANDREWS. 31st October 1808.

3176. A grant unto PHINEAS ANDREWS, of Haverstock Hill, in the parish of Hampstead, in the county of Middx, gentn, for his invented certain improvements in the construction of a machine for threshing of corn, grain, and pulse, and all kinds of seed; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within six calendar months from the date thereof. By writ, &c.

CRACKLES. 3rd Nov. 1808.

3177. A grant unto SAMUEL CRACKLES, of the town and county of the town of Kingston-upon-Hull, brush manufacturer, for his invented method of making and manufacturing of brushes from whalebone, which have heretofore been usually made and manufactured from bristles; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. By writ, &c.

BROOKES. 3rd Nov. 1808.

3178. A grant unto SAMUEL BROOKES, of Bermondsey, in the county of Surrey, tanner, for his invented invention for splitting raw bull, ox, and cow hides, so that each side of the hide so split may be manufactured for the purposes for which an entire hide has been before used, as follows: the grain side for coach and chaise hides and other purposes, and the flesh side for losh hides, for white leather, for vellum, for tanning, and for other purposes; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within four calendar months from the date thereof. By writ, &c.

HARTLEY. MUSGRAVE. FARMERY. 8th Nov. 1808.

3179. A grant unto JOHN HARTLEY, JOHN MUSGRAVE, and Wm FARMERY, of Leeds, in the county of York, machine makers, for their invented machine for the purpose of preparing, roving, slubbing, spinning, twisting, and doubling of cotton, flax, hemp, tow, worsted, wool, silk, or any other substance into threads, preparatory to their being manufactured, or otherwise used; to hold to them, their exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within six calendar months from the date thereof. By writ, &c.

FAIRLES. 15th Nov. 1808.

3180. A grant unto NICHOLAS FAIRLES, of South Shields, in the county of Durham, esqr, for his invd a windlass, windlass bitts, and metallic hawse hole chamber, whereby great manual labor is saved, and a considerable less space of time is necessary in heaving to and getting on board ships anchors, either in moderate weather or in gales of wind; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain

and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within four calendar months from the date thereof ; and also with a clause for supplying His Majesty's service with all such articles of the said invention as shall be required by the master gen^{l} of the ordnance or commiss^{rs} of the navy for the time being. By writ, &c.

Dickson. 15th Nov. 1808.

3181. A grant unto Jonathan Dickson, of the parish of Christ Church, and county of Surrey, steam engine maker, for his invented improvements in the construction of tuns, coolers, vatts, and backs used by brewers, distillers, and others ; to hold to him, his ex̃ors, adm̃ors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within one calendar month from the date thereof. By writ, &c.

Townley. 26th Nov. 1808.

3182. A grant unto Charles Gostling Townley, of Ramsgate, in the county of Kent, esq^{r}, for his invented improvements applicable to musical instruments of different descriptions ; to hold to him, his ex̃ors, adm̃ors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within one calendar month from the date thereof. By writ, &c.

Nolan. 26th Nov. 1808.

3183. A grant unto Frederick Nolan, of Stratford, near Colchester, in the county of Essex, clerk, for his invented certain improvements in the construction of flutes, flageolets, hautbois, and other wind instruments now in use ; to hold to him, his ex̃ors, adm̃ors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within four calendar months from the date thereof. By writ, &c.

Seward. 26th Nov. 1808.

3184. A grant unto Charles Seward, of Lancaster, in the county of Lancaster, block tin manufacturer, for his invented improvements in the construction of lamps ; to hold to him, his ex̃ors, adm̃ors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within one calendar month from the date thereof. By writ, &c.

Schmidt. 20th Dec. 1808.

3185. A grant unto John Schmidt, of Saint Mary Axe, London, watch maker, for his invented phantasmorgoric chronometer, or nocturnal dial, representing or making visible at night, to an enlarged size, the dial of a watch agst the wall of a room ; the reflection obtained by a light and optical apparatus being at the same time sufficient to give the room a pleasing illumination : the nocturnal dial may, with little alteration, be constructed of any watch or time piece ; but to render the whole as simple and useful as possible he has also invented a mechanism or instrument which is applicable to or separately useful from the above on account of its peculiar action, which he calls the mysterious circulator, or chronological equilibrium ; this equilibrium, requiring only one hand or nonius to show seconds, minutes, and hours, is particularly useful, and may (if required, with little alteration,) represent an orrery ; to to hold to him, his ex̃ors, adm̃ors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within one calendar month from the date thereof. By writ, &c.

ARCHBOLD.
20th Dec. 1808.

3186. A grant unto JOHN FREDERICK ARCHBOLD, of Great Charlotte Street, Blackfriars Road, in the county of Surrey, for his invented improvements in making brandy, comprising, first, a new method in making wine, as the worts or must for the making of the brandy; and a still, applicable to the working off the same; and a new method of rectifying the spirit when worked off; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed, and also in all our colonies and plantations abroad, for the term of fourteen years pursuant to the statute; with a clause to inroll the same within six calendar months from the date thereof. By writ, &c.

STEEL.
29th Dec. 1808.

3187. A grant unto WILLIAM STEEL, of Liverpool, in the county of Lancaster, glass dealer, for his invented entire new machine, engine, or instrument for making white salt; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. By writ, &c.

TOMPSON.
29th Dec. 1808.

3188. A grant unto WILLIAM TOMPSON, of Deritend, in the parish of Aston, near Birmingham, locksmith, for his new invented lock, which acts in a perpendicular and then in a horizontal direction, with springs and tumblers, one part being at liberty whilst the other is in motion, the bolts of which lock return into the body thereof when it is unlocked; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. By writ, &c.

McGREGOR.
McFARLAND.
29th Dec. 1808.

3189. A grant unto MALCOLM McGREGOR, of Bell Yard, Carey Street, in the county of Middx, musical instrument maker, and WILLm McFARLAND, of the Strand, in the county of Middx, umbrella manufacturer, for their invented certain improvts in the construction of umbrellas and parasols; to hold to them, their exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. By writ, &c.

BRIERLEY.
17th Jan. 1809.

3190. A grant unto JOHN BRIERLEY, of River Bank, in the county of Flint, for his invented new mode or process of setting blue lead for corroding the same into white lead; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. By writ, &c.

DICKINSON.
19th Jan. 1809.

3191. A grant unto JOHN DICKINSON, of the parish of Saint Martin, Ludgate, in the city of London, stationer, for his invented certain improvements on his patent machinery for cutting and placing paper, and also certain machinery for the manufacture of paper by a new method; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within six calendar months from the date thereof. By writ, &c.

GODDARD. 23rd Jan. 1809.

3192. A grant unto JAMES GODDARD, of Newman Street, in the parish of Mary-le-bone and county of Middx, gent., for his invented method and machinery for manufacturing a certain description of wooden boxes called chip boxes or pill boxes, of all the various sizes and shapes hitherto made; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. By writ, &c.

STRACEY. 23rd Jan. 1809.

3193. A grant unto EDWARD STRACEY, of Parliament Street, Westminster, esqr, for his invented improved method of hanging the bodies and of constructing the perches of four wheel carriages, by which such carriages are rendered less liable to be overturned; and of constructing perch bolts and collar braces; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. By writ, &c.

PEEK. 23rd Jan. 1809.

3194. A grant unto JOHN PEEK, of Charlotte Row, Fort Place, Bermondsey, in the county of Surrey, millwright, for his invented machine for casting printing types, by which three motions out of five made in the ordinary method of casting types are saved; to hold to him, his exors, admors, and assigns within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. By writ, &c.

WHITFIELD. 23rd Jan. 1809.

3195. A grant unto SAMUEL WHITFIELD, of Church Street, Birmingham, in the county of Warwick, brazier and scale beam maker, for his invented method for the application of stamps, dies, and piercing tools to the manufacturing of ears, handles, and bewells for culinary articles of every description, whether in wood, iron, brass, copper, tin, in silver, or any mixed metals; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. By writ, &c.

LOGAN. 26th Jan. 1809.

3196. A grant unto MICHAEL LOGAN, of Rotherhithe, in the county of Surrey, civil engineer, for his invented and discovered transcendant ordnance, or improved cannon, for either marine, fort, or field service; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within 6 calendar months from the date thereof; and also with a clause for supplying His Majesty's service with all such articles of the said invention as shall be required by the master genl of the ordnance and commrs of the navy for the time being. By writ, &c

ECKHARDT. 28th Jan. 1809.

3197. A grant unto ANTHONY GEORGE ECKHARDT, of Berwick Street, Soho, in the county of Middx, gent., for his invd method or methods of casting metallic and other bodies togr or separately in the moulds, in the state of fluidity or softness, in order that the said bodies may preserve the figures thus obtained when they shall afterwards become solid or consistent by cooling, or by any chemical or other change which shall or may take place or be produced

in the nature, order, proportions, or quantities of the component parts or ingredients of the same ; to hold the same to him, his ex^{s}, ad^{s}, & ass^{s}, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within one calendar month from the date thereof. By writ, &c.

FINCH. 4th Feb. 1809.

3198. A grant unto GEORGE FINCH the younger, of King Street, in the county of Middx, orris weaver, for his invented certain methods of manufacturing various kinds of metal laces, so as to imitate gold and silver laces; and also of manufacturing gold and silver open laces ; to hold to him, his ex̃ors, adm̃ors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within one calendar month from the date thereof.

By writ, &c.

POTTS. 4th Feb. 1809.

3199. A grant unto THOMAS POTTS, of Hackney, in the county of Middx, gent., for his invented new process of freeing tarred ropes from the tar, and rendering it fit for the use of the manufacturer ; to hold to him, his ex̃ors, adm̃ors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within six calendar months from the date thereof.

By writ, &c.

WINSOR. 7th Feb. 1809.

3200. A grant unto FRED^{k} ALBERT WINSOR, of Pall Mall, in the co^{y} of Middx, esq^{r}, for his inv^{d} certain improvements upon his former patent oven, stove, or apparatus for carbonising all sorts of raw fuel and combustibles & reducing them into superior fuel of coke and charcoal, as well as for extracting and saving, during the same process, the oil, tar, pyroligneous vegetable acid and ammonial coal liquor, and for extracting and refining all the inflammable air or gas, so as to deprive it of all disagreeable odour during conbustion, and rendering the gas itself salutary for human respiration, when properly distilled with atmospheric air ; to hold to him, his ex̃ors, adm̃ors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within two months after the conclusion of the next session of Parliament.

By writ, &c.

CONGREVE. 7th Feb. 1809.

3201. A grant unto WILLIAM CONGREVE, of Cecil Street, in the Strand, in the county of Middx, esq^{r}, for his invented mode of construction or arrangement for any building, so as to afford security agst fire; to hold to him, his ex̃ors, adm̃ors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within one calendar month from the date thereof.

By writ, &c.

THOMSON. 7th Feb. 1809.

3202. A grant unto ARCHIBALD THOMSON, of Manchester, in the county palatine of Lancaster, engineer, for his invented certain improvement on machines, applicable to various kinds of spinning; to hold to him, his ex̃ors, adm̃ors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within four calendar months from the date thereof. By writ, &c.

DOORNIK. 7th Feb. 1809.

3203. A grant unto WILLIAM EVERHARD Baron VON DOORNIK, of Old Lisle Street, Leicester Square, in the county of Middlesex, for his invented and discovered certain improvements in the manufacture of soap, to wash with sea water, with hard water, and with soft water; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within six calendar months from the date thereof. By writ, &c.

STEAD. 9th Feb. 1809.

3204. A grant unto JOHN STEAD, card manufacturer, Leith Walk, Edinburgh, for his discovered method of manufacturing cards which are employed in the carding and spinning of flax, tow, wool, cotton, and silk, so as to combine the quality of a fine card with the strength of a coarse one; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. By writ, &c.

GRELLIER. 13th Feb. 1809.

3205. A grant unto JAMES GRELLIER, of Alldboro' Hatch, in the county of Essex, for his invented building, of a peculiar construction, for the purpose of burning coke and lime, whereby the superfluous heat of the fire used in burning the coke is applied to burn the lime, and also whereby such fire may be rendered perpetual, and wch he denominates "the union and perpetual kiln"; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within five calendar months from the date thereof. By writ, &c.

HOOPER. 13th Feb. 1809.

3206. A grant unto STEPHEN HOOPER, of Walworth, in the county of Surrey, gent., for his invented thermometer or machine for ascertaining the heat of bakers ovens, and various other purposes; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. By writ, &c.

RANDOLPH. 21st Feb. 1809.

3207. A grant unto DAVID MEADE RANDOLPH, a citizen of Virginia, in the United States of America, but at present residing near Golden Square, in the county of Middx, merchant, in consequence of a communication made to him from his friend and correspondent residing within the said United States, he has become possed of a new method of manufacturing all kinds of boots, shoes, and other articles, by means of a substitute for thread made of hemp, flax, or other yarns; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. By writ, &c.

ILETT. 21st Feb. 1809.

3208. A grant unto JOSEPH ILETT, of Stratford, in the county of Essex, calico printer, for his invented method of producing fast greens on cotton and various other articles; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. By writ, &c.

DIDOT. March 1809.

3209. A grant unto LEGER DIDOT, of Two Waters, in the county of Hertford, gent., for his invented improvements in the construction of umbrellas and parasols; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. By writ, &c.

SCANTLEBURY. 1st March 1809.

3210. A grant unto RICHARD SCANTLEBURY, of Redruth, in the county of Cornwall, brazier, for his invented machine by which he counterbalances the weight of any volumn of water or other fluids required to be lifted by any steam or water engine or other machinery, either worked by animals or men, which gains a very considerable power over any machine now in use; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. By writ, &c.

STEERS. 1st March 1809.

3211. A grant unto EDWARD STEERS, of the Inner Temple, esqr, for his invented new method, directed by machinery, of using the screw, by which its mechanical power or its motion is increased; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. By writ, &c.

SEWARD. 1st March 1809.

3212. A grant unto ABRAHAM SEWARD, of Lancaster, in the county palatine of Lancaster, tin plate worker, for his invented new improved hook for bearing up the heads of horses in drawing carriages; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. By writ, &c.

CLATWORTHY. CLATWORTHY. 1st March 1809.

3213. A grant unto THOMAS CLATWORTHY, of Winsford, in the county of Somerset, sheep shears maker, and JOHN CLATWORTHY, of the same place, sheep shears maker, his son, for their invented shears, on an improved construction, for shearing sheep; to hold to them, their exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. By writ, &c.

FOLSCH. HOWARD. 4th March 1809.

3214. A grant unto FREDERICK BARTHOLOMEW FOL"CH, of Oxford Street, in the county of Middx, merchant, and WILLIAM HOWARD, of Bedford Street, Lockfields, in the county of Surrey, gentn, for their invented or found out a certain machine, instrument, or pen, calculated to promote facility in writing; and also a certain black writing ink or composition, the durability whereof is not to be affected by time or change of climate; to hold to them, their exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed, and also in all our colonies and plantations abroad, for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. By writ, &c.

PROCTOR. 9th March 1809.

3215. A grant unto WILLIAM PROCTOR, of Sheffield, in the county of York, optician, for his invented improved methods of raising or supplying tubes or lamps with oil, so as to remove away the shade of the vessel containing the oil, and in form and use equal to any mould or wax candle, which he denominates Proctors spiral argand and candle lamp; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. By writ, &c.

HEATHCOAT. 20th March 1809.

3216. A grant unto JOHN HEATHCOAT, of Loughborough, in the county of Leicester, lace manufacturer, for his invented machine for the making and manufacturing of bobbin lace, or lace nearly resembling foreign lace; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within six calendar months from the date thereof. By writ, &c.

HAKEWILL. 20th March 1809.

3217. A grant unto JAMES HAKEWILL, of Beaumont Street, in the parish of St Mary-le-bone, in the county of Middx, artist, for his invented improvemt in the construction of tables, chairs, and stools for domestic, military, and naval service, and in the packing of the same; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within six calendar months from the date thereof; and also with a clause for supplying His Majesty's service with all such articles of the said invention as shall be required by the master general of the ordnance, commissioners of the navy, and the elder brethren of the Trinity House. By writ, &c.

THOMPSON. 20th March 1809.

3218. A grant unto SIMEON THOMPSON, of Maddox Street, Hanover Square, in the county of Middx, gent., for his invented machine or machinery for raising, lowering, drawing, driving, forcing, impressing, or moving bodies, substances, materials, fluids, articles, or commodities; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. By writ, &c.

VALENTINE. 20th March 1809.

3219. A grant unto CHARLES VALENTINE, of the parish of St James, Clerkenwell, in the county of Middlesex, japanner, for his invented new mode of ornamenting and painting all kinds of japanned and varnished wares of metal, wood, paper, or any other composition, and various other articles; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. By writ, &c.

YOUNIE. 28th March 1809.

3220. A grant unto JAMES YOUNIE, of Theobalds Row, in the county of Middx, smith, for his invented machine or instrument, to be applied to stoves or grates, for preventing accidents by fire, and whereby the fires in stoves or grates may be put out and extinguished with safety and facility; to hold to

him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. By writ, &c.

PERRYMAN. 29th March 1809.

3221. A grant unto ELIZABETH PERRYMAN, of Greek Street, Soho, in the county of Middx, for her new invented street and hall lamp, and the necessary apparatus for expediting the trimming, lighting, and cleansing the said street and hall lamp; to hold to her, her exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. By writ, &c.

WILLCOX. 3rd April 1809.

3222. A grant unto RICHARD WILLCOX, of the parish of Saint Mary, Lambeth, in the county of Surrey, mechanist, for his invented sundry apparatus or machinery for accelerating the manufacturing of felt or stuff hats, and for cutting and removing by machinery the furs of beavers, rabbits, and the whole variety of skins the furs or wool of which is used for the purpose of hat making; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. By writ, &c.

WILLCOX. 3rd April 1809.

3223. A grant unto RICHARD WILLCOX, of the parish of Saint Mary, Lambeth, in the county of Surrey, mechanist, for his invented certain machinery for facilitating the manufacturing of stuff, wool, and other hats and bonnets felted; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within six calendar months from the date thereof. By writ, &c.

GROVES. 3rd April 1809.

3224. A grant unto JOHN THOMAS GROVES, of Great Scotland Yard, Whitehall, in the county of Middx, esqr, for his invd improved mode of constructing buildings, by which great expence, labour, and time is saved, and the building secured from dry rot, with other advantages; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. By writ, &c.

ARCHBOLD. 18th April 1809.

3225. A grant unto FREDERICK ARCHBOLD, of Great Charlotte Street, in the county of Surrey, gentn, for his invented method of converting salt or sea water into fresh water, both on land and on board of ship at sea; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within six calendar months from the date thereof; and also with a clause for supplying His Majesty's service with all such articles of the said invention as shall be required by the commrs of the navy or by the elder brethren of the Trinity House for the time being. By writ, &c.

PLEASANTS. 19th April 1809.

3226. A grant unto WILLIAM PLEASANTS the elder, of Abbey Street, in the city of Dublin, bachelor of arts, for his invented self mover, or machine which can keep itself in motion ; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed, and also in all our colonies and plantations abroad, for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within six calendar months from the date thereof. By writ, &c.

LONDON. LONDON. 19th April 1809.

3227. A grant unto PHILLIPS LONDON the elder, and PHILLIPS LONDON the yor, of the parish of St Lukes, Chelsea, in the county of Middx, gentn, for their discovered certain new and improved method or processes of manufacturing, refining, and purifying muriate of soda or common salt ; to hold to them, their exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within six calendar months from the date thereof. By writ, &c.

THOMASON. 19th April 1809.

3228. A grant unto PHILLIS BOWN THOMASON, wife of Edwd Thomason, of Birmingham, manufacturer, for her invented great improvements in the making of umbrellas and parasols ; to hold the same unto her, her exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within one calendar month from the date thereof. By writ, &c.

WILKS. 20th April 1809.

3229. A grant unto MATTHIAS WILKS, of Brabant Court, in the city of London, merchant, for his invented compound substance or cake for the feeding of horses and other animals; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland, our dominion of Wales, and town of Berwick-upon-Tweed, and also in all our colonies and plantations abroad, for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

BARTON. 25th April 1809.

3230. A grant unto JOHN BARTON, of the town of Tunbridge, in the county of Kent, gentleman, for his invented machine for raising weights or water with greater facility and at less expence than any at present used ; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

TREVITHICK. DICKINSON. 29th April 1809.

3231. A grant unto RICHARD TREVITHICK, of Rotherhithe, in the county of Surrey, engineer, and ROBERT DICKINSON, of Great Queen Street, in the county of Middx, esqr, for their invented certain inventions calculated to improve naval architecture and navigation, and to contribute to the comfort and better subsistence of mariners, and applicable to other purposes; to hold to them, their exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within six calendar months from the date thereof; and also with a clause for supplying His Majesty's service with all such articles of the said invention as shall be required by the commrs of the navy or by the elder brethren of the Trinity House for the time being. By writ, &c.

HAMILTON. 4th May 1809.

3232. A grant unto WILLIAM FRANCIS HAMILTON, of Lower Mount Street, in the city of Dublin, for his invented new mode of preparing soda and other mineral waters, spirituous, acetous, saccharine, aromatic liquors, and sundry improvements relative thereto; to hold to him, his executors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within six calendar months from the date thereof.

By writ, &c.

NOON. 4th May 1809.

3233. A grant unto THOMAS NOON, of Burton-upon-Trent, in the county of Stafford, clock and watch maker, for his invented certain improvements on guns, pistols, and other similar fire arms, and which improvements are applicable to cannon and other large guns; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed, and also in all our colonies and plantations abroad, for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof; and also with a clause for supplying His Majesty's service with all such articles of the said invention as shall be required by the masr general of the ordnance for the time being.

By writ, &c.

BOOKER. 9th May 1809.

3234. A grant unto NUGENT BOOKER, of Lime Hill, in the county of Dublin, for his invented new plan for improving and erecting lime kilns, whereby a very considerable saving is made in fuel, and the lime most perfectly burnt in a short time, which he denominates Grellier and Booker's lime kiln; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

FOLSCH. 9th May 1809.

3235. A grant unto BARTHOLOMEW FOLSCH, of Oxford Street, in the county of Middx, merchant, for his invented improvements on certain machines, instruments, or pens, calculated to promote facility in writing; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

JOHNSON. 15th May 1809.

3236. A grant unto WILLIAM JOHNSON, of Blackheath, in the county of Kent, gentn, for his invented new or improved process for heating fluids, for the purposes of art and manufacture; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within six calendar months from the date thereof. By writ, &c.

MANLEY. 30th May 1809.

3237. A grant unto EDWARD MANLEY, of Uffculme, in the county of Devon, clerk, for his invented plough, upon an entire new construction; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

LINDSAY.
30th May 1809.

3238. A grant unto JOHN LINDSAY (late lieut^{t} col^{l} of the 71st reg^{t}), of Grove House, Edgeware Road, in the county of Middx, for his invented telegraph or apparatus for conveying intelligence by night or by day; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed, and also in all our colonies and plantations abroad, for the term of fourteen years pursuant to the statute; with a clause to inroll the same within six calendar months from the date thereof; and also with a clause for supplying His Majesty's service with all such articles of the said invention as shall be required by the commissioners for executing the office of high admiral for the time being. By writ, &^{c}.

CRAGG.
CRAGG.
8th June 1809.

3239. A grant unto EDWARD CRAGG, of Hertford, in the county of Chester, carpenter, and WILLIAM CRAGG, of Old Ford, in the county of Middx, builders agent, for their invented certain new modes or improvements in the making or preparing of salt; to hold to them, their exors, admors, and assigns, within that part of our united kingdom of Great Britain & Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within two calendar months from the date thereof. By writ, &^{c}.

ARCHBOLD.
8th June 1809.

3240. A grant unto JOHN FREDERICK ARCHBOLD, of Great Charlotte Street, in the county of Surrey, gent., for his improvement in the system of distillation, rectification, & brewing; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within two calendar months from the date thereof. By writ, &^{c}.

WELLS.
8th June 1809.

3241. A grant unto THOMAS WELLS, of Erdington, in the county of Warwick, cock founder, for his invented improved method of making and constructing barrel cocks and water cocks, whereby leakage and the sticking or setting fast of the key or plug are prevented, and the cocks are rendered more durable and less liable to be out of order, and more easy to be repaired; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed, and also in all our colonies and plantations abroad for the term of fourteen years pursuant to the statute; with a clause to inroll the same within two calendar months from the date thereof. By writ, &^{c}.

DOBITO.
8th June 1809.

3242. A grant unto MARK DOBITO, of Kirtling, in the county of Cambridge, farmer, for his invented new or improved plough for under draining land; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within two calendar months from the date thereof. By writ, &^{c}.

FESENMEYER.
15th June 1809.

3243. A grant unto JOHN PHILIP FESENMEYER, of the parish of S^{t} Clement Danes, in the county of Middx, gent., for his invented certain improv^{ts} in the construction and working of steam and atmospheric engines, by which they may be more advantageously worked than hitherto; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within six calendar months from the date thereof. By writ, &^{c}.

THOMPSON. 15th June 1809.

3244. A grant unto GEORGE ALEXANDER THOMPSON, of Great Charlotte Street, in the county of Surrey, gent., for his inv^d piece of machinery or instrument for cutting the wick of a lighted candle, and keeping the same in perfect trim and of a proper length ; to hold to him, his ex̃ors, adm̃ors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

NORTON. 20th June 1809.

3245. A grant unto CHARLES NORTON, of Birmingham, in the county of Warwick, builder, for his invented certain improvements in the construction of houses and other buildings, whereby a considerable expence will be saved in the erection thereof, and the same rendered more durable & secure from fire ; to hold to him, his ex̃ors, adm̃ors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

BOTFIELD. 26th July 1809.

3246. A grant unto THOMAS BOTFIELD, of Hopton, in the county of Salop, for his invented method of constructing an iron or metal roof for houses or other buildings, which he believes will be of general benefit and advantage, and will in some degree prevent fires communicating from one building to another ; to hold to him, his ex̃ors, adm̃ors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within six calendar months from the date thereof. By writ, &c.

CLEGG. 26th July 1809.

3247. A grant unto SAMUEL CLEGG, of Manchester, in the county of Lancaster, engineer, for his invented or found out a rotative engine, the piston of which makes a complete revolution at a distance from the revolving axis, shaft, or cylinder ; to hold to him, his ex̃ors, adm̃ors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed, and also in all our colonies and plantations abroad, for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

MURPHY. 26th July 1809.

3248. A grant unto JAMES CAVANAH MURPHY, of Edward Street, Cavendish Square, in the county of Middx, architect, that during a residence of eight years on the continent he has found out the manner of designing, making, and forming mosaics and ornaments in the Arabian style and manner, which he purposes to apply to divers arts and manufactures ; to hold to him, his ex̃ors, adm̃ors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within nine calendar months from the date thereof. By writ, &c.

HEAPS. 26th July 1809.

3249. A grant unto RICHARD HEAPS, of Holywell Street, Shoreditch, and county of Middlesex, mill lead and patent pipe manufacturer, for his invented improved method of forming pipes and sundry other articles in lead, pewter, or tin, or metals of that nature ; to hold to him, his ex̃ors, adm̃ors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed, for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

Loeschman. 26th July 1809.

3250. A grant unto David Loeschman, of Newman Street, in the parish of Saint Mary-le-bone, and county of Middx, piano forte maker, for his invented certain improvements in the musical scale of keyed instruments with fixed tones, such as pianos, organs, &c; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

Seward. 26th July 1809.

3251. A grant unto Charles Seward, of Lancaster, tin plate manufacturer, for his invented new or improved street lamp and burner, and lantern head for street and other lamps and lanterns; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

Hutton. 31st July 1809.

3252. A grant unto William Hutton, of Sheffield, in the county of York, merchant, for his invented method of making sickles and reaping hooks with iron in steel backs fixed upon the blades thereof, whether such blades be forged, rolled, cast, hammered, or otherwise manufactured; to hold to him, his exors, admors, & assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within one calendar month from the date thereof. By writ, &c.

Winsor. 3rd August 1809.

3253. A grant unto Frederick Albert Winsor, of Pall Mall, in the county of Middx, esqr, for his invented fixed telegraphic lighthouse, and also a moveable telegraphic lighthouse for signals and intelligence, to serve by night and by day, in rain, storm, and darkness, in any required direction, and from any given centre; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed, and also in all our colonies and plantations abroad, for the term of fourteen years pursuant to the statute; with a clause to inroll the same within two calendar months from the date thereof; and also with a clause for supplying His Majesty's service with all such articles of the said invention as shall be required by the commissioners of the navy and the elder brethren of the Trinity House for the time being. By writ, &c.

Stuart. 4th August 1809.

3254. A grant unto Ferdinand Smyth Stuart, of Billiricay, in the county of Essex, esqr, for his discovered substitute, the produce of this country, for Peruvian bark; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

Dickin. Bradley. 8th August 1809.

3255. A grant unto Thomas Dickin, of Abrewase Mills, in the county of Stafford, cotton manufacturer, and Henry Bradley, of the same place, cotton spinner, for their invented new method of preparing hemp, flax, hurds, short tow, and clearings, and other inferior parts of hemp and flax, either alone or mixed with cotton wool, for the purpose of spinning the same into yarn or thread; and also certain improvements in the mode of spinning the same; to hold to them, their executors, administrators, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our

dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within six calendar months from the date thereof. By writ, &c.

LANE. 9th August 1809.

3256. A grant unto EDWARD LANE, of Shelton, in the parish of Stoke-upon-Trent, in the county of Stafford, schoolmaster, for his invented and improved rotative engine or machine, to be worked by the power of steam, for raising water, grinding corn, and various other useful purposes ; to hold to him, his exors, admors, and ass^{s}, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

Memorandum. Augst 11th '09. M^{r} Plomer this day had an interview with the Lord Chancellor, who ordered that all Patents in future should bear date *the* day *on which they were* sealed.—*T. W.*

HIVES. 12th August 1809.

3257. A grant unto JOHN HIVES, of Holbeck, in the parish of Leeds, in the county of York, linen manufacturer, for his invented machine, for hackling or dressing hemp, flax, and other materials ; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within six calendar months from the date thereof. By writ, &c.

Memorandum. The above Patent was sealed by order of the Lord Chancellor's, bearing date the 19th day of July 1809. And his Lordship likewise ordered that the Patent should bear date the 12th day of August 1809 (independent of his Lordship's order of the 19th of July 1809), being the day on which the Patent was sealed.—T. W.

KELLOGG. 21st August 1809.

3258. A grant unto ISAAC KELLOGG, late of Connecticut, in North America, but at present residing in Addle Street, in the city of London, gent^{n}, that he (assisted by and in conjunction with his brother, Friend Bissell Kellogg, residing in North America), he has invented an improved machine for shearing woollen and other cloths ; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

LONG. 4th Sept. 1809.

3259. A grant unto SAMUEL LONG, of the town of Leicester, in the county of Leicester, gent., for his invented certain improvements on horizontal windmills ; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

BRAMAH. 23rd Sept. 1809.

3260. A grant unto JOSEPH BRAMAH, of Pimlico, in the county of Middx, engineer, for his invented new method of making and constructing pens for writing ; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our

dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

VAUGHAN. 23rd Sept. 1809.

3261. A grant unto GEORGE VAUGHAN, of Purin Place, Whitechapel Road, in the county of Middx, gent., for his discovered and invented certain improvements in the process of refining sugars; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within six calendar months from the date thereof.

By writ, &c.

PENWARNE. 26th Sept. 1809.

3262. A grant unto JOHN PENWARNE, of the parish of Saint Pancras, in the county of Middx, gentn, for his invented certain method or process, by means of which he is enabled to give to statues and other ornamental works in plaster (commonly called plaster of Paris) an appearance nearly resembling the finest statuary marble, at the same time rendering them more hard and durable, less liable to be soiled, and easier to be cleaned ; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, & town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within two calendar months from the date hereof. By writ, &c.

DE ROCHE. 26th Sept. 1809.

3263. A grant unto RANDOLPH I'SCHIFFELI DE ROCHE, of Great Pulteney Street, in the county of Middx, gentn, for his invented certain improvements in the process of brewing ; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within six calendar months from the date thereof. By writ, &c.

WATTS. 26th Sept. 1809.

3264. A grant unto WILLIAM WATTS, of the city of Bath, gentn, for his invd new methods of combining and disposing machinery, & applying the different powers of wind, water, and cattle thereto, so as to effect improvements on mills ; to hold to him, his exs, ads, & ass, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed, and also in all our colonies and plantations abroad, for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within six calendar months from the date thereof.

By writ, &c.

SMITH. HARRIS. 26th Sept. 1809.

3265. A grant unto EGERTON SMITH, of Liverpool, in the county palatine of Lancaster, optician, and MICHAEL HARRIS, of the same place, mechanic, for their invented certain improvements in ships binnacles and compasses, and in the mode of lighting the same; to hold to them, their exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within six calendar months from the date thereof ; and also with a clause for supplying His Majesty's service with all such articles of the said invention as shall be required by the commrs of the navy for the time being. By writ, &c.

FLIGHT. 26th Sept. 1809.

3266. A grant unto BENJAMIN FLIGHT, of Saint Martins Lane, in the county of Middx, organ builder, for his invented new metal nave, axel, and box, for wheeled carriages, by means of which the danger of overturning, and the concussion arising from carriages coming in contact at the nave, is

considerably lessened, the nave is much stronger and gives more lightness of appearance to the carriages than now in general use, the rattling of the carriage in action is also lessened, the oiling of the wheels, which need not be taken off for that purpose, is performed with greater ease and facility, and the oil is effectually prevented from communicating to the spokes of the wheels; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within two calendar months from the date thereof; and also with a clause for supplying His Majesty's service with all such articles of the said invention as shall be required by the master general of the ordnance for the time being. By writ, &c.

JONES. 28th Sept. 1809.

3267. A grant unto JOHN JONES, of Birmingham, in the county of Warwick, gun lock and barrel maker, for his invented certain improvements in the manufacturing skelps for fire arms; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within two calendar months from the date thereof; and also with a clause for supplying His Majesty's service with all such articles of the said invention as shall be required by the master general of the ordnance for the time being. By writ, &c.

BUNDY. 28th Sept. 1809.

3268. A grant unto WILLIAM BUNDY, of Camden Town, in the county of Middx, mathematical instrument maker, for his invented new method of heading pins; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within six calendar months from the date thereof. By writ, &c.

WHITE. 29th Sept. 1809.

3269. A grant unto JOHN WHITE the yor, of Whitehall Wharf, Westminster, gent., for his invd certain substance wch is capable of being converted into statues, artificial stone, melting pots, bricks, tiles, sugar bakers pans, chimney pots, garden pots, and every description of pottery; to hold to him, his exors, ads, & ass, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

BRAMAH. 2nd Nov. 1809.

3270. A grant unto JOSEPH BRAMAH, of Pimlico, in the county of Middx, engineer, for his invented certain new improvements in the constructing and making wheels for all kinds of carriages; and also a new method of locking or sledging the wheels of carriages when passing down steep declining hills; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause for supplying His Majesty's service with all such articles of the said invention at such prices as shall be settled by the master genl of the ordnance for the time being; and also with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

HAWKINS. 2nd Nov. 1809.

3271. A grant unto JOHN ISAAC HAWKINS, of Gt Titchfield Street, in the county of Middx, machinist, for his invd certain instrument, machine, or

manufacture, applicable in machines as a balance or equipoise; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

BARTON. 2nd Nov. 1809.

3272. A grant unto JOHN BARTON, of Argyle Street, in the parish of Saint James, Westmr, in the county of Middx, gentn, for his invented lamp, of a new construction, acting upon the natural unerring principle of the difference of gravity between two fluids, which produces a constant supply of oil or other combustible fluid to feed the wick or burner thereof, founting in a perpendicular direction from a reservoir beneath the flame, having the quality of burning or consuming the whole of the oil or other combustible fluid applied thereto; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within 2 calendar months from the date thereof. By writ, &c.

RANDOLPH. 6th Nov. 1809.

3273. A grant unto DAVID MEADE RANDOLPH, a citizen of Virginia, in the United States of America, but now residing in Warwick Court, Holborn, in the county of Middx, merchant, for his invented certain improvements in the construction of wheeled carriages of every description; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Brin and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within two calendar months from the date thereof; and also with a clause for supplying His Majesty's service with all such articles of the said invention at such prices as shall be required by the master general of the ordnance for the time being. By writ, &c.

GRIFFITH. 9th Nov. 1809.

3274. A grant unto EDWd GRIFFITH, of Birmingham, in the county of Warwick, optician, for his invented and improved airtight agitable lamp; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

HALL. 14th Nov. 1809.

3275. A grant unto JAMES HALL, of Newbold Astbury, in the county of Chester, bookkeeper, for his invented method of making & manufacturing shives or shivers, and pulley wheels of every description, & various other articles, from certain materials or compositions of earths and minerals, which render the said articles more durable than such as are made in wood; to hold to him, his exors, admors, & assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

WASS. 21st Nov. 1809.

3276. A grant unto ROBERT WASS, of Sheffield, in the county of York, cutler, for his invented certain improvements in the construction of hafts or handles for razors; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

CRAGG. 21st Nov. 1809.

3277. A grant unto JOHN CRAGG, of Liverpool, in the county of Lancaster, esq^{r}, for his inv^{d} certain improvements in the casting iron roofs for houses, warehouses, and other buildings, and in covering them with slate ; to hold to him, his ex̃ors, adm̃ors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within two calendar months from the date thereof. By writ, &^{c}.

RUTT. TRETTON. WEBB. 21st Nov. 1809.

3278. A grant unto JOHN TOWILL RUTT, of Basinghall Street, London, JOHN TRETTON, of S^{t} Andrews Hill, London, and JOHN WEBB, of Clapton, in the county of Midd^{x}, for their invented various improvements in the construction of machines for making cards for carding wool, cotton, flax, silk, and all substances capable of being carded ; to hold to them, their ex̃ors, adm̃ors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within two calendar months from the date thereof. By writ, &^{c}.

BROWN. 28th Nov. 1809.

3279. A grant unto JOHN BROWN, of Mile End New Town, in the county of Midd^{x}, stationer, for his invented certain improvem^{ts} on a machine or press for letter press printing ; and also for printing various ornaments and figures, part of which improvements may be applied to presses now in use ; to hold to him, his ex̃ors, adm̃ors, and assigns, within that part of our united kingdom of Great Britian and Ireland called England, our dominion of Wales, and town of Berwick upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within two calendar months from the date thereof. By writ, &^{c}.

ENGLISH. 28th Nov. 1809.

3280. A grant unto W^{m} CORNELIUS ENGLISH, of Twickenham, in the county of Midd^{x}, esq^{r}, for his invented new method, whereby heated water, steam, and air can be rendered serviceable, and more serviceable for new purposes and every purpose for which they have ever been applied, with less expence of fuel than is now used ; especially for the purpose of working the steam engine, and of warming and heating buildings and stoves ; and also vessels and coppers for all purposes, and by which water, steam, and air (heated) may be applied to many purposes hitherto unknown ; to hold to him, his ex̃ors, adm̃ors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within 6 calendar months from the date thereof. By writ, &^{c}.

HERBERT. 28th Nov. 1809.

3281. A grant unto THOMAS HERBERT, officer of the customs at the port of Malden, in the county of Essex, for his invented rotative pump or engine for raising and forcing air, water, and other fluids ; to hold to him, his ex̃ors, adm̃ors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within two calendar months from the date thereof. By writ, &^{c}.

BARRON. 5th Dec. 1809.

3282. A grant unto JAMES BARRON, of Wells Street, in the county of Midd^{x}, brass founder, for his invented improvements on the apparatus used for rollers for window blinds, maps, and other similar objects ; to hold to him, his ex̃ors, adm̃ors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-

Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within two calendar months from the date thereof.

By writ, &c.

WARE.
5th Dec. 1809.

3283. A grant unto GEORGE WARE, of the Royal Military Academy, Woolwich, gent^n^, for his invented improved apparatus for the support and exercise of the human frame, and for the prevention of bodily deformity; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within two calendar months from the date thereof.

By writ, &c.

FELTON.
9th Dec. 1809.

3284. A grant unto SAMUEL FELTON, of Berwick Street, Soho, in the county of Middx, botanist, for his invented or discovered a botanical or medicinal preparation, being a remedy for gravel and stoney concretions, which he usually denominates "mucilage of marshmallows" ; to hold to him, his exors, admors, and ass, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within one calendar month from the date thereof.

By writ, &c.

JONES.
9th Dec. 1809.

3285. A grant unto JOHN JONES, of Manchester, in the county of Lancaster, cotton spinner, for his invented a new sort of instrum^t^ or machine, for preparing and cutting cotton and lin candlewicks ; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within two calendar months from the date thereof.

By writ, &c.

MANTON.
11th Dec. 1809.

3286. A grant unto JOHN MANTON, of Dover Street, in the parish of Saint George, Hanover Square, and county of Middx, gunmaker, for his invented new improved lock for guns and pistols ; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within two calendar months from the date thereof ; and also with a clause for supplying His Majesty's service with all such articles of the said invention at such prices as shall be required by the master general of the ordnance for the time being.

By writ, &c.

MURRAY.
ANDERSON.
14th Dec. 1809.

3287. A grant unto JOHN MURRAY, of Nicholas Street, Edinburgh, esq^r^, and ADAM ANDERSON, of South Bridge Street, Edinburgh, tin plate worker, for their invented portable stove or furnace, wch may be made of cast iron, forged, or plate iron, or of other metals or materials, by which a current of air is heated and discharged so as to distribute the heat more equally than by stoves such as are in common use, and avoid the unpleasant smell which they produce; and which air, if necessary, may be brought from the external atmosphere, so as to produce ventilation as well as warmth ; that a stove of this construction may be usefully applied in warming and ventilating churches, public rooms, halls, stair cases, and, by means of tubes connected with it, the apartments of houses, and will also be useful for ventilating and heating ships and manufactories, drying different articles of manufacture, ventilating mines, and

for a variety of other purposes ; to hold to them, their exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within two calendar months from the date thereof ; and also with a clause for supplying His Majesty's service with all such articles of the said invention at such prices as shall be required by the master general of the ordnance or the commissioners of the navy for the time being. By writ, &c.

DUFF. 14th Dec. 1809.

3288. A grant unto JOHN DUFF, of Great Pulteney Street, in the coy of Middx, cutler, that in consequence of a communication made to him by a foreigner he is in possession of an invention of snuffers, on a new and improved construction ; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain & Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within one calendar month from the date thereof. By writ, &c.

NOBLE. 14th Dec. 1809.

3289. A grant unto MARK NOBLE, of the parish of Battersea, in the county of Surrey, engine maker, for his invented new improvemt on the chain and hand pumps, and a new invented fire extinguishing engine and steam engine ; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

DAVIES. 20th Dec. 1809.

3290. A grant unto CHARLES FREDERICK DAVIES, of the parish of Itchcombe, in the county of Gloucester, clothier, for his invented improvement in the manufacture of woollen stocking pieces, by raising & producing on his improved manufacture a nap or pile, in resemblance of kersymere and broad clothes; and also an improvement on the manufacture of kersymere and broad clothes, by means transverse elasticity given to his manufacture, equal in use from its ease in the woollen stocking manufactures ; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

COTTON. 15th Jan. 1810.

3291. A grant unto WILLIAM COTTON, of Limehouse, in the county of Middlesex, manufacturer, for his invented new and improved method of regulating the texture of all kinds of cloth in the process of weaving ; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within four calendar months from the date thereof. By writ, &c.

MURDOCK. 15th Jan. 1810.

3292. A grant unto WILLIAM MURDOCK, of Soho Foundry, in the county of Stafford, engineer, for his improved method or process for boring & forming pipes, cylinders, columns, and circular disks out of solid blocks and slabs of stone of any kind or description ; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

BAYLEY. 15th Jan. 1810.

3293. A grant unto THOMAS BAYLEY, of Birmingham, in the county of Warwick, brass founder, for his invented certain improvements in sliding

pullies, for window blinds and for other purposes ; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

Cox. 23rd Jan. 1810.

3294. A grant unto Peter Cox, of Fairford, in the county of Gloucester, civil engineer, for his invented certain improvements upon the thrashing machine ; to hold to him, his exors, admors, & assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll same within two calendar months from the date thereof. By writ, &c.

Manton. 23rd Jan. 1810.

3295. A grant unto Joseph Manton, of Davies Street, Berkeley Square, in the county of Middx, gunmaker, for his invented improvement in telescopes; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

Cock. 1st Feb. 1810.

3296. A grant unto David Cock, of Dean Street, Soho, in the county of Middx, for his invented vessels, of a new construction, for melting metals and heating fluids ; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within six calendar months from the date thereof. By writ, &c.

De Heine. 1st Feb. 1810.

3297. A grant unto Augustus Fredk De Heine, of Moor Lane, Fore Street, in the city of London, gentn, for his invented certain improvements on printing and stamping presses ; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

Craigie. 1st Feb. 1810.

3298. A grant unto John Craigie, of Quebec, in our province of Lower Canada, in North America, esqr, now residing in Craven Street, in the county of Middx, that in consequence of communications made to him when residing abroad, and certain inventions by himself, he is in possn of a method of making an improved kitchen fire place ; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed, and also in all our colonies and plantations abroad, for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

Adams. 1st Feb. 1810.

3299. A grant unto Stedman Adams, of the city of Hartford, in the state of Connecticut, in North America, esqr, at present residing in Carey Street, Lincolns Inn Fields, in the county of Middx, for his invented certain improvements on steam engines and in distillation ; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed, and also in all our colonies and plantations abroad, for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within six calendar months from the date thereof. By writ, &c.

MULLER. 12th Feb. 1810.

3300. A grant unto WILLIAM MULLER, of the Hay Market, in the county of Middx, of his invented certain improvements in the construction of pumps; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll same within two calendar months from the date thereof. By writ, &c.

SLATER. 12th Feb. 1810.

3301. A grant unto JOHN SLATER, of Birmingham, in the county of Warwick, coach spring maker, for his invented improvement in hanging and securing grind stones from breaking in the middle or centre; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

DOUGHTY. 12th Feb. 1810.

3302. A grant unto WILLIAM DOUGHTY, of Birmingham, in the county of Warwick, engineer, for his invented improvement in the combination of wheels for gaining mechanical power; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within six calendar months from the date thereof. By writ, &c.

WYKE. 12th Feb. 1810.

3303. A grant unto GEORGE WYKE, of the city of Bath, esqr, for his invented certain improvements in the construction of wheel carriages of various descriptions; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

WARBURTON. 13th Feb. 1810.

3304. A grant unto PETER WARBURTON, of Cobridge, in the county of Stafford, china manufacturer, for his invented new method of decorating china, porcelain, earthenware, and glass, with native, pure, or adulterated gold, silver, platina, or other metals, or fluxed or lawered with lead, or any other substance, which invention or new method leaves the metals, after being burned, in their metallic state; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

WITTY. 14th Feb. 1810.

3305. A grant unto RICHARD WITTY, of the town of Kingston-upon-Hull, gent., for his invented certain improvements in making, arranging, and combining certain parts of rotative steam engines, by which means the most complex parts of the steam engines now in use are dispensed with and rendered unnecessary, and the whole of the mechanism made much more simple, less expensive, and not so liable to be out of repair, as that of the steam engines now in use is dispensed with and rendered unnecessary, and the whole of the mechanism made much more simple, less expensive, and not so liable to be out of repair as that of the steam engines now in use, and applicable to giving motion to all sorts of mill work or machinery, and various other purposes; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

MORRISON. 22nd Feb. 1810.

3306. A grant unto ÆNEAS MORRISON, of the town of Greenock, in the county of Renfrew, Scotland, for his invented machine for conveying persons from the upper parts of houses on fire, and for lowering goods from warehouses, and other purposes; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within six calendar months from the date thereof. By writ, &c.

STUART. 26th Feb. 1810.

3307. A grant unto PETER STUART, late of Fleet Street, in the city of London, printer, for his invented method of engraving and printing maps of counties, charts, or other plans or designs, music, mathematical diagrams, or figures on wood, metal, or any other substance, so that they may be thrown off in a common printing press or presses, either for books, newspapers, or and other printed paper whatever; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

BAINBRIDGE. 26th Feb. 1810.

3308. A grant unto WILLIAM BAINBRIDGE, of Holborn, in the city of London, musical instrument maker, for his invented or found out certain improvements on the English flute or flageolet; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

PRATT. 26th Feb. 1810.

3309. A grant unto MAJOR PRATT, of Spencer Street, in the parish of Saint George-in-the-East, in the county of Middlesex, farmer, for his invented and discovered certain methods of manufacturing machines for performing various agricultural operations by mechanical powers; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed, and also in all our colonies and plantations abroad, for the term of fourteen years pursuant to the statute; with a clause to inroll the same within six calendar months from the date thereof. By writ, &c.

DE HEINE. 26th Feb. 1810.

3310. A grant unto AUGUSTUS DE HEINE, of Burr Street, East Smithfield, in the county of Middx, gent., for his invented certain apparatus, by the application of known principles, to preserve animal food, vegetable food, and other perishable articles, a long time from perishing or becoming useless; to hold to him, his exors, admors, and ass^{s}, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within six calendar months from the date thereof; and also with a clause for supplying His Majesty's service with all such articles of the said invention as shall be required by the comm^{rs} of the navy for the time being. By writ, &c.

LE CAAN. 26th Feb. 1810.

3311. A grant unto CHARLES LE CAAN, of the town and parish of Llanelly, in the county of Carmarthen, gent^{n}, for his invented certain apparatus to be added and united to the axle trees and wheels, or naves of wheels of carriages, so as to impede, resist, or check their motion; to hold to him, his exors, admors,

and ass^{s}, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

STEPHENSON. 27th Feb. 1810.

3312. A grant unto JOSEPH STEPHENSON, of Mortimer Street, Cavendish Square, in the county of Middx, plumber, for his invented improved machine for filtering and purifying of water; to hold to him, his ex̃ors, adm̃ors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute. By writ, &c.

JUSTICE. 6th March 1810.

3313. A grant unto JOHN JUSTICE, of Dundee, in North Britain, ironmonger, for his invented improvement in the construction of stove grates, calculated to prevent or cure smokey chimneys, and possessing other advantages over the stove grates in common use; to hold him, his ex̃ors, adm̃ors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within four calendar months from the date thereof. By writ, &c.

SCOTT. 12th March 1810.

3314. A grant unto THOMAS SCOTT, of Holborn, in the county of Middx, musical instrument maker, for his invented improved German flute, clarionette, and oboe; to hold to him, his ex̃ors, adm̃ors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

ROBINSON. 12th March 1810.

3315. A grant unto THOMAS ROBINSON, of Roberts Bridge, in the parish of Salehurst, in the county of Sussex, brewer, for his invented mashing machine; to hold to him, his ex̃ors, adm̃ors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

KENT. 12th March 1810.

3316. A grant unto JOHN KENT, of Southampton, architect, for his invented new and expeditious method of moving all kinds of goods or materials to high buildings or from deep places; to hold to him, his ex̃ors, adm̃ors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

GRANT. 22nd March 1810.

3317. A grant unto THOMAS GRANT, of Biddeford, in the county of Devon, esq^{r}, for his method of making paint or varnish from a newly discovered fossil, which will prove of the greatest public utility in painting of ships and in various manufactories; to hold to him, his ex̃ors, adm̃ors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within two calendar months from the date thereof; and also with a clause for supplying His M$\tilde{a}$ty's service with all such articles of the said invention as shall be required by the commissioners of the navy for the time being. By writ, &c.

SHANNON. 22nd March 1810.

3318. A grant unto MICHAEL SHANNON, of Berwick Street, in the parish of Saint James, in the county of Middlesex, architect, that he is in possession of certain improvements in the art of brewing, which was made and communicated to him by a learned foreigner, since deceased; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

DEYERLEIN. 22nd March 1810.

3319. A grant unto JOHANN GEORGE DEYERLEIN, of Long Acre, in the parish of Saint Martins-in-the-Fields, in the county of Middx, tool maker, that in consequence of certain inventions by himself, and of communications made to him by a native of Germany, he is in possession of a machine, new principle, or method of making bricks and tiles; and also by means thereof, and of clay, loam, or similar materials to those commonly used in potteries, to make all sorts of mouldings, beads, tubes, gutters, channels, or cylinders to convey water, smoak, steam, or any fluid or soft substance; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed, and also in all our colonies and plantations abroad, for the term of fourteen years pursuant to the statute; with a clause to inroll the same within six calendar months from the date thereof. By writ, &c.

GREGORY. 22nd March 1810.

3320. A grant unto JOHN GREGORY, of Islington, in the county of Middx, builder, for his invented new method of tunning or cleansing ales and beers into casks; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

KOEING. 29th March 1810.

3321. A grant unto FREDERICK KOEING, of Camden Town, in the county of Middx, printer, for his invented method of printing by means of machinery; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain & Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within six calendar months from the date thereof. By writ, &c.

RIDGWAY. 6th April 1810.

3322. A grant unto JONATHAN RIDGWAY, of Manchester, in the county of Lancaster, plumber and glazier, for his invented certain improved method for preparing rollers and blocks used for callico printing; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

STANCLIFFE. 6th April 1810.

3323. A grant unto JOHN STANCLIFFE, of Caius College, Cambridge, bachelor of physic, for his invented certain improvements in apparatus for combination and condensation of gases and vapours applicable to processes of distillation; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our

dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

Woodhouse. 6th April 1810.

3324. A grant unto John Woodhouse, of the parish of Bromsgrove, in the county of Worcester, for his invented several improvements relative to canals; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

Speer. 6th April 1810.

3325. A grant unto William Speer, late of the city of Dublin, but now of the city of Westminster, esqr, for his discovered, found out, and invented a new or improved art, method, or process of increasing the inflammability and combustibility, and of improving the light of oils used for burning, particularly applicable to the oils refined according to the patent process; which will also improve oils when used for burning; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed, and also in all our colonies and plantations abroad, for the term of fourteen years pursuant to the statute; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

Fussell. 6th April 1810.

3326. A grant unto James Fussell, of Mells, near Frome, in the county of Somerset, iron manufacturer, for his invented method of making and working forge and other bellows; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

Davis. 6th April 1810.

3327. A grant unto Charles Frederick Davis, of the parish of Pitchcombe, in the county of Gloucester, clothier, for his invd improvement in the manufacture of woollen cloth; to hold to him, his exors, admors, & assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

Parr. 11th April 1810.

3328. A grant unto William Parr, of the Portland Hotel, Great Portland Street, in the county of Middx, esqr, for his invented improved gunpowder; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within six calendar months from the date thereof; and also with a clause for supplying His Majesty's service with all such articles of the said invention as shall be required by the master general of the ordnance or commrs of the navy for the time being. By writ, &c.

Hopkinson. 2nd May 1810.

3329. A grant unto Luke Hopkinson, of Holborn, in the county of Middlesex, coach and harness maker, for his invented certain improvements to a bridle bitt, or bitts for bridles, used in driving or riding horses or other animals; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within six calendar

months from the date thereof; and also with a clause for supplying His Majesty's ordnance with all such articles of the said invention.
By writ, &c.

PAYNE. 2nd May 1810.

3330. A grant unto DANIEL BEAUMONT PAYNE, of the city of Bath, banker, for his invented new plan or method for more accurately and expeditiously expressing and ascertaining the number, dates, and sums in bank bills, notes, and other securities for money, and preventing forgeries, frauds, and losses by defacing or altering the same; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed, and also in all our colonies and plantations abroad, for the term of fourteen years pursuant to the statute; with a clause to inroll the same within six calendar months from the date thereof. By writ, &c.

CLERK. 2nd May 1810.

3331. A grant unto WILLIAM CLERK, esqr, advocate, for his invented method for preventing smoke, dust, and the danger of fire, and for increasing and regulating heat from stoves & chimney fire places, for heating rooms, halls, passages, and stair cases in public buildings and dwelling houses, and all other apartments where regulated heat and cleanliness are desirable, without obstructing the view of the burning fuel; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within six calendar months from the date thereof.
By writ, &c.

ERARD. 2nd May 1810.

3332. A grant unto SEBASTIAN ERARD, of Great Marlborough Street, in the county of Middx, for his invented certain improvemts on pianofortes and harps; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within six calendar months from the date thereof. By writ, &c.

MAIBEN. 2nd May 1810.

3333. A grant unto JOHN MAIBEN, of Perth, in the county of Perth, sadler and ironmonger, for his invented certain apparatus for making carbonated hydrogen gas from pit coal, and for using the same for lighting mills, factories, houses, shops, lamps, &c, the lights being regulated by means of syphons; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

HALLIDAY. 5th May 1810.

3334. A grant unto JOSEPH HALLIDAY, master of the band belonging to the Cavan regt of militia, now quartered in Kilkenny, for his invented certain improvements in the musical instrument called the bugle horn; to hold to him, his exors, admors, & assigns, within that part of our united kingdom of Great Britain & Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within two calendar months from the date thereof; and also with a clause for supplying His Majesty's service with all such articles of the said invention as shall be required by the master general of the ordnance for the time being. By writ, &c.

CHAPMAN. 9th May 1810.

3335. A grant unto WILLIAM CHAPMAN, of the town and county of Newcastle-upon-Tyne, civil engineer, for his invented wheel or wheels, to be moved by water, steam, or any other suitable fluids or gases, and to be applicable to

mechanic or other purposes where a moving force is required; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

Bosworth. 9th May 1810.

3336. A grant unto John Bosworth, of Birmingham, in the county of Warwick, coal dealer, for his invented improvements in carriages, to facilitate the unloading of heavy coals and other things; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

Coffin. 15th May 1810.

3337. A grant unto Sir Isaac Coffin, bart, vice admiral of the blue squadron, that in consequence of a communication made to him by a certain person residing abroad, he is become possessed of a new invention of a perpetual oven for the making of all kinds of bread; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within two calendar months from the date thereof; and also with a clause for supplying His Majesty's service with all such articles of the said invention as shall be required by the commissioners for victualling the navy for the time being. By writ, &c.

Bell. 17th May 1810.

3338. A grant unto James Bell, of Fieldgate Street, Whitechapel, sugar refiner, for his invented certain improvements in the manner of refining sugar, and of forming sugar loaves of a particular description; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

Stewart. 22nd May 1810.

3339. A grant unto Charles Stewart, of the parish of St Martin-in-the-Fields, in the county of Middlesex, cabinet maker, for his invented certain improvements in the construction of dining & other tables; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

Onions. 22nd May 1810.

3340. A grant unto John Onions, of Broseley, in the county of Salop, iron master, for his invented machine for thrashing corn, on a new construction; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

Docksey. 22nd May 1810.

3341. A grant unto William Docksey, of the city and county of Bristol, millwright, for his invented some considerable improvements in the process of manufacturing an article commonly called ivory black, and for pulverizing

grinding, or reducing to a subtle and fine powder all articles capable of a more easy separation of their parts or constituent principles by torrofaction, heating, or calcination in open or close kilns, ovens, or furnaces, especially potters clays, flints, colouring and glazing materials ; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

Berrollas. 26th May 1810.

3342. A grant unto Joseph Anthony Berrollas, of Cowpers Row, Clerkenwell, in the county of Middlesex, watchmaker, for his invented warning watch, of a new construction ; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

Hickford. 8th June 1810.

3343. A grant unto George Hickford, of Chadacre Hall Farm, in the parish of Strumpling, in the county of Suffolk, farmer, for his great and manifold improvement upon the plough heretofore used for draining land, and the machine for draining the same through the ground, whereby a horse will be able to perform a much greater quantity in the same time than by the method now in use ; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

Williams. 8th June 1810.

3344. A grant unto John Williams, of Cornhill, in the city of London, stationer, for his invented certain apparatus or additional parts to be applied to and used with wheel carriages ; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

Townley. 8th June 1810.

3345. A grant unto Mary Townley, of Ramsgate, in the county of Kent, the wife of James Townley, of Ramsgate aforesaid, esqr, for her invented method applicable to the prevention or cure of smokey chimnies ; to hold to her, her exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

Woolf. 9th June 1810.

3346. A grant unto Arthur Woolf, of Lambeth, in the county of Surry, engineer, for his discovered certain improvement in the construction and working of steam engines, calculated to lessen the consumption of fuel ; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within four calendar months from the date thereof. By writ, &c.

Revere. 19th June 1810.

3347. A grant unto Joseph Warren Revere, of Boston, in the United States of America, at present residing at the London Coffee House, Ludgate Hill, in the city of London, merchant, for his new and improved method

of splitting hides and shaving leather ; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

DANIELL. 19th June 1810.

3348. A grant unto JOSEPH CLISILD DANIELL, of Frome, in the county of Somerset, clothier, for his invented certain improvements on machines called gigs and shearing frames, used for dressing cloths and in the clothing manufacture ; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

MACGREGOR. 19th June 1810.

3349. A grant unto MALCOLM MACGREGOR, of Bell Yard, Carey Street, in the county of Middlesex, musical instrument maker, for his invented certain flute or musical wind instrument with improved keys, which keys are also applicable to flutes and various other wind instruments now in use ; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

ADAMS. 19th June 1810.

3350. A grant unto GEORGE ADAMS, of the Woodlands, in the parish of Lindridge, in the county of Worcester, farmer, for his improved method of cultivating of land, & of feeding and consuming the produce thereof by cattle and sheep, and of preserving and applying the manure of and made by such cattle and sheep, by means of certain houses made and built for the protection of cattle and sheep from weather, and feeding the same therein, and moveable by means of wheels, slides, iron railways, or otherwise, invented and found out by him ; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

LINDSAY. 19th June 1810.

3351. A grant unto JOHN LINDSAY (late lieut^{t} col^{l} of the 71st reg^{t}), of Grove House, in the county of Middx, for his inv^{d} boat and various apparatus, whereby heavy burthens can be conveyed on shallow water on rivers, wherein shoals and other difficulties impede navigation, and whereby the lives of men will be saved from wrecks and other situations of imminent danger at sea or on rivers, and whereby the apparatus above specified may, in its consequences and construction, embrace other important results highly beneficial to the British navy and commerce, by enabling the bottoms of ships to be examined with accuracy and expedition, without the necessity of moving the masts or cargoes ; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed, and also in all our colonies and plantations abroad, for the term of fourteen years pursuant to the statute; with a clause to inroll the same within 6 calendar months from the date thereof; and also with a clause for supplying His Majesty's service with all such articles of the said invention as shall be required by the commissioners of the navy for the time being. By writ, &c.

BELL.
19th June 1810.

3352. A grant unto WILLIAM BELL, of Handsworth, near Birmingham, in the county of Warwick, engineer, for his invented & improved machine for the purpose of cutting pasteboard, or cards out of pasteboard or paper, and for cutting various other articles ; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

FROST.
FROST.
22nd June 1810.

3353. A grant unto JAMES FROST, of Little Sutton Street, Clerkenwell, in the county of Middlesex, brass founder, and JAMES FROST the yor, of the same place, his son, also brass founder, for their invented improvement upon cocks, or an improved lock cock ; to hold to them, their exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

LISTON.
BROUGHTON.
3rd July 1810.

3354. A grant unto HENRY LISTON, of Ecclesmachen, in the county of Llinlithgow, clerk, and CHARLES BROUGHTON, of the city of Edinburgh, writer to the signet, for their invented certain improvements in the construction of organs ; to hold to them, their exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

HILL.
3rd July 1810.

3355. A grant unto SAMUEL HILL, of Serle Street, in the county of Middlesex, esqr, for his invented method of joining stone pipes in a more effectual manner than has before been discovered ; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

HALL.
3rd July 1810.

3356. A grant unto JAMES HALL, of Walthamstow, in the county of Essex, clerk, for his invented method or process of manufacturing a material from the twiggs or branches of broom, mallows, and rushes, and other shrubs or plants of the like species, to be used in the stead of flax or hemp, and for the same purposes for which flax and hemp are now used ; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

KENT.
3rd July 1810.

3357. A grant unto JOHN KENT, of the town and county of the town of Southampton, architect, for his invented certain improvements in the method of making artificial stone for various purposes ; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

HOWDEN.
3rd July 1810.

3358. A grant unto ROBERT HOWDEN, of Providence Row, Finsbury Square, in the county of Middlesex, baker, inventor and patentee of the portable furnace for heating ovens, or his invented improved methods of

extracting foul air out of ships, whereby a constant succession of fresh air will be introduced, and at the same time moderating the degree of heat according to the climate ; and also of extracting the foul air from mines and pits of every description, and of regulating the degree of heat, and of giving heat and a constant succession of fresh air to houses in general, warehouses, churches, theatres, hothouses, hospitals, workhouses, and other buildings, and also manufactories ; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed, and also in all our colonies and plantations abroad, for the term of fourteen years pursuant to the statute ; with a clause to supply His Majesty's service with all such articles of the said invention as shall be required by the commissioners of the navy for the time being ; and also with a clause to inroll the same within four calendar month from the date thereof. By writ, &c.

SHAKESPEAR. OSLER. 5th July 1810.

3359. A grant unto WILLIAM SHAKESPEAR, of Birmingham, in the county of Warwick, glass chandelier furniture manufacturer, and THOMAS OSLER the younger, of the same place, glass chandelier furniture manufacturer, for their invented new or improved method or methods of manufacturing glass or paste drops for chandeliers, lamps, and lustres ; to hold to them, their exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within two calendar months from the date thereof.

By writ, &c.

VARLEY. 7th July 1810.

3360. A grant unto RICHARD VARLEY, of Cheddle Mosley, in the county of Chester, cotton manufacturer, for his invented and brought to perfection certain new additions to and improvements upon the machinery now in use for the roving, spinning, doubling, and twisting of cotton, silk, flax, wool, mohair, and other materials used for the manufacture of twist, thread, or other kind of yarn ; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within six calendar months from the date thereof. By writ, &c.

HALL. 18th July 1810.

3361. A grant unto GEORGE HALL, of the Strand, in the county of Middlesex, goldsmith, for his invd certain improvemts in the art of working and making spoons, forks, and such other articles of gold, silver, or other metals as usually are or may be stamped or struck by means of sents and punches, or dies of any kind or description ; and likewise the tools or instruments to be used in carrying the same improvements into effect and practice ; to hold to him, his exs, ads, & ass, within that part of our united kingdom of Gt Bn & Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute ; with a clause to inroll the same within two calendar months from the date thereof.

By writ, &c.

WEDGWOOD. 18th July 1810.

3362. A grant unto RALPH WEDGWOOD, of Oxford Street, in the county of Middx, gentn, for his invd and discovered new character for language, numbers, and music, and the methods of applying the same ; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed, and also in all our colonies and plantations abroad, for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

STEBBING. 18th July 1810.

3363. A grant unto GEORGE STEBBING, of Portsmouth, in the county of Hants, optical and mathematical instrument maker, for his invented certain improvements in the action of sea and land compasses ; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within two calendar months from the date thereof ; and also with a clause for supplying His Majesty's service with all such articles of the said invention as shall be required by the commissioners of the navy for the time being. By writ, &c.

DAY. 18th July 1810.

3364. A grant unto BENJAMIN AGER DAY, of Handsworth, in the county of Stafford, brass founder, for his invented improvements in the construction of certain household utensils or articles of household furniture called a toast stand, (for the purpose of holding a plate before the fire,) a hearth brush or dust brush and toasting fork, & occasionally in combining or uniting the said brush and toasting fork in one utensil or article ; to hold to him, his exs, ads, & assigns, within that part of our united kingdom of Gt Bn & Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute ; with a clause to inroll the same within 2 calendar months from the date thereof. By writ, &c.

DYER. 26th July 1810.

3365. A grant unto JOSEPH DYER, now residing in the city of Westminster, merchant, that in consequence of a communication made to him by a certain foreigner residing abroad, he is become possessed of certain machinery for cutting & heading of nails and brads of all kinds and sizes, from strips or plates made of iron, copper, or any other metal capable of being rolled into plates ; to hold to him, his exs, ads, & ass^{s}, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of 14 yrs pursuant to the statute ; with a clause to inroll the same within 6 calendar months from the date thereof. By writ, &c.

WADE. 26th July 1810.

3366. A grant unto THOMAS WADE, of Nelson Place, Kent Road, in the parish of St George, Southwark, in the county of Surrey, gentn, for his invented method or process of imitating lapis lazuli, porphry, jasper, the various sorts of kinds of marble, and all other stones usually wrought, carved, sculptured, or polished ; also inlaid or mosaic work, to be used for or in the formation of manufacture of chimney pieces, slabs, funeral monuments, and for every other purpose to which such stones and marbles are or may be applied ; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain & Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed, and also in all our colonies and plantations abroad, for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

DOBBS. 2nd August 1810.

3367. A grant unto EDGAR DOBBS, of the borough of Southwark, gent., for his invented variety of compositions for making water proof cement mortar and stucco, the same being also applicable as durable colouring washes for buildings ; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within six calendar months from the date thereof. By writ, &c.

WILLIAMS. 2nd August 1810.

3368. A grant unto CHARLES WILLIAMS, of Gravel Lane, Southwark, millwright, for his invented machine for grinding or cutting malt, splitting beans, or any other kind of grain, and various other articles ; to hold to him, his

exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

BRUNEL. 2nd August 1810.

3369. A grant unto MARC ISAMBARD BRUNEL, of Chelsea, in the county of Middx, gentn, for his invented certain machinery for the purpose of making or manufacturing shoes and boots ; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within six calendar months from the date thereof. By writ, &c.

COLLINS. 10th August 1810.

3370. A grant unto THOS COLLINS, of the parish of St Swithin, in the city of London, warehouseman, for his invented improved mode of making ladders, which, being formed of different pieces, and capable of being immediately put together by socket joints, will be found extremely useful for the purposes of escaling, engineering, escapes from fire, erecting of buildings, and for all other purposes for which ladders of any description are necessary ; to hold to him, his exors, admors, & asss, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within two calendar months from the date thereof ; and also with a clause for supplying His Majesty's service with all such articles of the said invention as shall be required by the master general of the ordnance for the time being. By writ, &c.

WHITMORE. 14th August 1810.

3371. A grant unto WILLIAM WHITMORE, of Dudmaston, in the county of Salop, esqr, for his invented magnetic toy, to facilitate the teaching of children to spell, read, and cypher in any tongue, with ease to the teacher, pleasure to the children, and proportional expedition ; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

DURAND. 25th August 1810.

3372. A grant unto PETER DURAND, of Hoxton Square, in the county of Middx, merchant, that in consequence of a communication made to him by a certain foreigner residing abroad, he is become possessed of a method of preserving animal food, vegetable food, and other perishable articles a long time from perishing or becoming useless ; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within six calendar months from the date thereof ; and also with a clause for supplying His Majesty's service with all such articles of the said invention as shall be required by the commissioners of the navy for the time being. By writ, &c.

WALKER. 7th Sept. 1810.

3373. A grant unto JAMES WALKER, of Wapping, in the county of Middx, ship chandler, for his invd improved machine or vessel for the safe conveyance of gunpowder, and for its preservation from injury by damp ; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the sta-

tute; with a clause to inroll the same within two calendar months from the date thereof; and also with a clause for supplying His Majesty's service with all such articles of the said invention as shall be required by the master gen[l] of the ordnance for the time being. By writ, &c.

WELDON. 7th Sept. 1810.

3374. A grant unto JAMES WELDON, of the county and city of Litchfield, engineer, for his invented certain further new improvements on a mill or machine for grinding bark and other articles, which improvements can be applied to several other useful purposes; to hold to him, his ex̃ors, adm̃ors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within four calendar months from the date thereof. By writ, &c.

DYER. 7th Sept. 1810.

3375. A grant unto JOSEPH C. DYER, of Boston, state of Massachusetts, one of the United States, now residing in the city of Westminster, merchant, in consequence of a communication made to him by a certain foreigner residing abroad, he is become possessed of a machine for cutting or removing all the various kinds of furs which are used in hatmaking from the skins or pelts, and for cutting the said skins or pelts into strips or small pieces; to hold to him, his ex̃ors, adm̃ors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute, and also in all our colonies and plantations abroad; with a clause to inroll the same within six calendar months from the date thereof. By writ, &c.

MATHEWS. 7th Sept. 1810.

3376. A grant unto DAVID MATHEWS, of Rotherhithe, in the county of Surrey, engineer, for his invented improved method of constructing and building locks with an invented groin or gothic conic arch; also an improved form of the gates, and an improved method of opening and shutting the same; to hold to him, his ex̃ors, adm̃ors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

JOHNSON. 17th Sept. 1810.

3377. A grant unto JOSEPH JOHNSON, of the county of Surrey, gent., for his invented new mode of communicating intelligence from one apartment of a house to another, by means of machinery or apparatus which he denominates a domestic telegraph; to hold to him, his ex̃ors, adm̃ors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

VARTY. 17th Sept. 1810.

3378. A grant unto JONATHAN VARTY, of Liverpool, in the county of Lancaster, coachmaker, for his invented improvements in the axle trees of carriages; to hold to him, his ex̃ors, adm̃ors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

BROWN. 26th Sept. 1810.

3379. A grant unto PETER JOSEPH BROWN, of Henrietta Street, Covent Garden, in the county of Middlesex, gent[n], for his invented improved construction of buoys for ships or vessels, and for mooring chains, or similar purposes; to hold to him, his ex̃ors, adm̃ors, & assigns, within that part of

our united kingdom of Great Britain & Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within six calendar months from the date thereof ; and also with a clause for supplying His Māty's services with all such articles of the said invention as shall be required by the commissioners of the navy for the time being. By writ, &c.

SEATON. RICE. 26th Sept. 1810.

3380. A grant unto RICHARD SEATON, of Berwick Street, in the county of Middx, liquor merchant, and THOMAS RICE, of Whitecross Street, in the parish of Saint Luke, Old Street, and county of Middx, spring roasting jack maker, for their invented burner, upon an improved construction, applicable to all kinds of lamps ; to hold to them, their exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, & town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

NORRIS. 26th Sept. 1810.

3381. A grant unto THOMAS NORRIS, late of Manchester, in the county of Lancaster, cotton merchant, for his invented new mode of sheathing or covering the bottoms of ships or vessels with certain matter or materials, so as to be a substitute for copper ; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed, and also in all our colonies and plantations abroad, for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within six calendar months from the date thereof ; and also with a clause for supplying His Majesty's service with all such articles of the said invention as shall be required by the commrs of the navy for the time being. By writ, &c.

HOBDAY. 26th Sept. 1810.

3382. A grant unto SAMUEL HOBDAY, of Woodcock Street, in the parish of Aston, near Birmingham, in the county of Warwick, snuffer maker, for his invented lever, by the application of which alone, or with the addition of a rack, he can make snuffers to act without springs ; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

MILLER. 1st October 1810.

3383. A grant unto GEORGE MILLER, of Panton Street, near the Haymarket, in the parish of Saint Martin-in-the-Fields, in the county of Middx, musical instrument maker, for his invented method of making wind instruments, commonly called military fifes, of substances never before used for that purpose ; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed, and also in all our colonies & plantations abroad, for the term of fourteen years pursuant to the statute ; with a clause for supplying His Majesty's service with all such articles of the said invention as shall be required by the master general of the ordnance for the time being ; and also with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

BRUNEL. 1st October 1810.

3384. A grant unto MARC ISAMBARD BRUNEL, of Chelsea, in the county of Middx, gent., that in consequence of a communication made to him by a certain foreigner residing abroad, he is possessed of an invented apparatus for giving motion to machinery, part of which is also applicable to hydraulic & pneumatic purposes ; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our

dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within six calendar months from the date thereof. By writ, &c.

DYER.
1st October 1810.

3385. A grant unto JOSEPH C. DYER, of Boston, state of Massachusetts, one of the United States, now residing in London, merchant, in consequence of a communication made to him by a certain foreigner residing abroad, is become possed of an invention of certain improvements in the construction and method of using plates and presses, and for combining various species of work in the same plate, for the kind of printing usually called copper plate printing, designed for the objects of detecting counterfeits, for multiplying impressions, and saving labour ; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed, and also in all our colonies amd plantations abroad, for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within six calendar months from the date thereof. By writ, &c.

MILNE.
1st October 1810.

3386. A grant unto BENJAMIN MILNE, of Bridlington, in the county of York, collector of the customs, for his invented and improved bell and gun alarm ; to hold to him, his executors, administrators, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

PARKER.
CLULEY.
8th October 1810.

3387. A grant unto EBENEZER PARKER, of Highfield, in the parish of Sheffield, in the county of York, silver plater, and FRANCIS CLULEY, of Sheffield, aforesaid, surgeons instrument manufacturer, for their invented method or plan of making and adjusting bedsteads on a double frame, with a fourfould method, for the relief of sick, lame, infirm, and aged persons ; to hold to them, their exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

RUTT.
WEBB.
TRETTON.
8th October 1810.

3388. A grant unto JOHN TOWILL RUTT, of Goswell Street, in the county of Middx, JOHN WEBB, of Hoxton, in the said county, and JOHN TRETTON, of the city of London, card manufacturers, for their invented improved apparatus to machines for making fillett, sheet, and hard cards, such as are used for carding wool, cotton, flax, silk, and all substances capable of being carded ; to hold to them, their, exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

HAZELDINE.
8th October 1810.

3389. A grant unto JOHN HAZELDINE, of Bridgnorth, in the county of Salop, engineer, for his invented manifest improvements in the construction of a plough for the cultivation of land ; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

HODSON.
8th October 1810.

3390. A grant unto GEORGE HODSON, of the city of Edinburgh, North Britain, ash manufacturer, for his improved method of separating the alkaline salt from the acid as it exists in the following substances, viz^{t}, kelp, black

ashes, soapers, salts, spent leys, sosa natrose, rock salt, common salt, brine, sea water, caput mortuum of aqua fortis, caput mortuum of oil, of vitriol, and caput mortuum of salt used by bleachers, being on a principle entirely new; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within six calendar months from the date thereof. By writ, &c.

FRANCIS. WATERS. 8th October 1810.

3391. A grant unto CHARLES FRANCIS, of Phœnix Wharf, Nine Elms, in the parish of Battersea and county of Surrey, temper lime burner, and WILLIAM WATERS, of Princes Street, Lambeth, in the said county of Surrey, potter, for their invented improved method of joining pipes; to hold to them, their exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within 6 calendar months from the date thereof. By writ, &c.

WOODMAN. 8th October 1810.

3392. A grant unto RICHARD WOODMAN, of Hammersmith, in the county of Middx, boot and shoe maker, for his invented method of manufacturing all kinds of boots, shoes, and other articles; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

GRIFFITH. 8th October 1810.

3393. A grant unto EDMUND GRIFFITH, of the city of Bristol, esqr, for his invented certain improvements in the manufacture of soap, for the purpose of washing with sea water, with hard water, and with other water; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within six calendar months from the date thereof. By writ, &c.

STUBBS. 8th October 1810.

3394. A grant unto HENRY STUBBS, of Piccadilly, in the county of Middx, blind maker, for his new invented grand imperial aulaeum, from 3 to 18 or 20 feet wide, without seam, and to any length or color, for decorating the most superb or useful room, for such as drapery, curtains, and fringes, chairs, sofas, tables, &c; or finished on one side only, for ornamented hangings, borders, and every other species of decoration; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

MANLEY. 8th October 1810.

3395. A grant unto EDWARD MANLEY, of Uffculme, in the county of Devon, clerk, for his invented apparatus for writing; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

WHEATLY. 15th October 1810.

3396. A grant unto JOHN WHEATLY, of Greenwich, in the county of Kent, coach builder, for his invented improved axle tree for wheels of carriages, and also improved wrought or cast iron boxes and cast iron stocks to receive the spokes of the wheels; to hold to him, his exors, admors, and assigns, within

that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

FRASER. 15th October 1810.

3397. A grant unto JOHN FRASER, collector of natural history, now of Sloane Square, Chelsea, in the parish of Saint Luke and county of Middlesex, for his discovered and found out certain vegetables, and a way of preparing the same so as they may be usefully applied in the manufacturing of hats and bonnets, chair bottoms and baskets, and for other articles or purposes, being on a principle entirely new ; to hold to him, his executors, administrators, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within six calendar months from the date thereof. By writ, &c.

MANN. 31st October 1810.

3398. A grant unto THOMAS MANN, of Bradford, in the county of York, stuff merchant, for his invented certain improvements in the construction of artificial legs ; to hold to him, his executors, administrators, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within two calendar months from the date thereof; and also with a clause for supplying His Majesty's service with all such articles of the said invention as shall be required by the master general of the ordnance or commissioners of the navy for the time being. By writ, &c.

Memorandum. No Patents passed the Great Seal from the 31*st day of October* 1810 *until the* 21*st day of February* 1811, *in consequence of His Majesty's illness; and His Royal Highness the Prince of Wales was appointed Regent by an Act of Parliament bearing date the* 15*th day of January* 1811.

HUME. 28th Feb. 1811.

3399. A grant unto JAMES HUME, of Percy Street, in the county of Middx, esq^{r}, for his invented sweeping machine or brush, or improvements on a sweeping machine or brush, or sweeping machines or brushes ; to hold to him, his ex̃ors, adm̃ors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within six calendar months from the date thereof. By writ, &c.

TURNER. 4th March 1811.

3400. A grant unto WILLIAM TURNER, of Change Alley, in the city of London, merchant, for his invented pike or halbert with cuteaus ; to hold to him, his ex̃ors, adm̃ors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within two calendar months from the date thereof; and also with a clause for supply^{g} His Majesty's service with all such articles of the said invention as shall be required by the master general of the ordnance and comm^{rs} of the navy for the time being. By writ, &c.

SAVAGE. 4th March 1811.

3401. A grant unto EDWARD SAVAGE, of Oxford Street, in the county of Middx, tin plate worker, for his invented machine for washing and bleaching of linen and other articles; and for cooking, by means of steam, with a roaster or oven, and warm closets attached, all heated by the same fire ; to hold to him, his ex̃ors, adm̃ors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and

town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

SALMON. 4th March 1811.

3402. A grant unto ROBERT SALMON, of Woburn, in the county of Bedford, surveyor, for his invented certain instruments for the relief of hernia, which instruments he calls Salmon's new royal patent artificial abdomens; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

SOUTHWELL. 4th March 1811.

3403. A grant unto WILLIAM SOUTHWELL, of Grosse Street, Rathbone Place, in the county of Middx, piano forte maker, for his invented certain improvements in the construction of a pianoforte; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

TROTTER. 4th March 1811.

3404. A grant unto JOHN TROTTER, of Soho Square, in the county of Middx, esqr, for his invented improvement in musical instruments; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within six calendar months from the date thereof. By writ, &c.

GUPPY. 4th March 1811.

3405. A grant unto SARAH GUPPY, wife of Samuel Guppy, in the city of Bristol, merchant, for her invented mode of erecting and constructing bridges and rail roads, without arches or sterlings, whereby the danger of being washed away by floods is avoided; to hold to her exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within four calendar months from the date thereof. By writ, &c.

STURGEON. 6th March 1811.

3406. A grant unto THOMAS WILLIAM STURGEON, of Howland Street, in the county of Middx, esqr, for his invented improved castors; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

WILLIS. 6th March 1811.

3407. A grant unto ABRAHAM WILLIS, of Deritend, in the parish of Aston, and county of Warwick, for his invented new method of producing steel toys of different descriptions, such as barbers curling irons, sugar nippers, snuffers, and other articles; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within 6 calendar months from the date thereof. By writ, &c.

PLASKETT. BROWN. 6th March 1811.

3408. A grant unto JOHN PLASKETT, of Garlick Hill, in the city of London, stave merchant, and SAMUEL BROWN, of Norfolk Street, Southwark, in the county of Surrey, cooper, for their invented method of making or

manufacturing of casks and other vessels by improved machinery ; to hold to them, their exors, admors, and ass^{s}, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within 6 calendar months from the date thereof. By writ, &c.

JACKSON. 7th March 1811.

3409. A grant unto RICHARD JACKSON, of the Bear Garden, Southwark, in the county of Surrey, iron manufacturer, for his invented method or methods of making the shanks of anchors and other large bodies of wrought iron of a similar form, by using one solid core of iron for the centre, with barrs of feather edged iron, so made up, constructed, and applied as to save a considerable quantity of iron and coals and labour in the manufacturing of the same, and which will materially add to the strength and soundness of all large bodies of wrought iron so manufactured ; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

COLLINGE. 9th March 1811.

3410. A grant unto JOHN COLLINGE, of the Bridge Road, Lambeth, in the county of Surrey, axle tree manufacturer, for his invented improvements in and upon carriage and other wheel boxes and axle trees ; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within 6 calendar months from the date thereof ; and also with a clause for supplying His Majesty's service with all such articles of the said invention as shall be required by the master gen^{l} of the ordnance for the time being. By writ, &c.

SMETHURST. 11th March 1811.

3411. A grant unto JAMES SMETHURST, of New Bond Street, in the county of Middx, lamp manufacturer, for his invented certain improvem^{ts} applicable to lamps of different descriptions ; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within six calendar months from the date thereof. By writ, &c.

MALLORY. 12th March 1811.

3412. A grant unto JAMES MALLORY, of the state of New York, one of the United States, now residing in the city of London, hatter, that in consequence of communications made to him by certain foreigners residing abroad, is in possn of a method of making certain machines for cutting or shearing the fur from all pelteries, and for shearing cloth ; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within six calendar months from the date thereof. By writ, &c.

COOPER. 14th March 1811.

3413. A grant unto THOMAS WILLIS COOPER, of Old Street, in the county of Middx, millwright, for his invented certain apparatus, to be fixed on the naves of wheels and beds of axle trees of carriages, so as to prevent accidents from the axle tree breaking; or, if either of the axle trees of such carriage should happen to break, the carriage dropping only about a quarter of an inch, the same carriage will proceed on to the end of its journey without danger or any accident happening from the same; or, if by any means the linch pins get

out or cap screws get off, the wheels will keep in their former situation ; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within two calendar months from the date thereof; and also with a clause for supplying His Majesty's service with all such articles of the said invention as shall be required by the master general of the ordnance for the time being. By writ, &c.

DAVIS. 14th March 1811.

3414. A grant unto ROBERT DAVIS, of Birmingham, in the county of Warwick, umbrella and parasol furniture manufacturer, for his invented composition for certain improvements in the manufacturing all kinds of umbrella and parasol furniture; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within 2 calendar months from the date thereof. By writ, &c.

FERGUSON. 14th March 1811.

3415. A grant unto GEORGE FERGUSON, of Barbican, in the city of London, gentleman, for his invented lamp, with its appendages ; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

JONES. 14th March 1811.

3416. A grant unto THOMAS JONES, of Cleaveland Street, Fitzroy Square, in the county of Middx, carpenter, for his invented machine for cutting corks and bungs ; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

STEWART. 22nd March 1811.

3417. A grant unto DAVID STEWART, of Stamford Street, in the parish of Christ Church and county of Surrey, architect, for his invented further improvement in the method of rendering dwelling houses, theatres, hospitals, prisons, shipping, conservatories, greenhouses, hothouses, and every other kind of building, air and water tight, as far as relates to the glazing, by means of a lop made of copper or any other metal, or some metal prepared by machinery for that purpose ; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within six calendar months from the date thereof ; and also with a clause for supplying His Majesty's service with all such articles of the said invention as shall be required by the master general of the ordnance, the commissioners of the navy, and the elder brethren of the Trinity House for the time being. By writ, &c.

BILL. 26th March 1811.

3418. A grant unto ROBERT BILL, of Rathbone Place, in the county of Middx, esqr, for his invented machine or apparatus to facilitate the operation of washing cloaths and other process necessary in family and other establishments ; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within six calendar months from the date thereof. By writ, &c.

Wornum. 26th March 1811.

3419. A grant unto Robert Wornum the younger, of Princes Street, Hanover Square, in the county of Middx, piano forte maker, for his invented improved upright piano forte; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

Dyer. 26th March 1811.

3420. A grant unto Joseph C. Dyer, of Boston, state of Massachusetts, one of the United States, but now residing in the city of London, merchant, for his new and improved methods of splitting hides and shaving or splitting leather; to hold to him, his exors, admors, and ass^{s}, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within six calendar months from the date thereof. By writ, &c.

Craigie. 26th March 1811.

3421. A grant unto John Craigie, of the city of Bath and county of Somerset, esq^{r}, for his invented improvements on waggons, carts, and other wheel carriages, whereby friction may be saved, labour facilitated, and a greater degree of safety obtained; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within two calendar months from the date thereof; and also with a clause for supplying His Majesty's service with all such articles of the said invention as shall be required by the master general of the ordnance for the time being. By writ, &c.

Hazledine. 26th March 1811.

3422. A grant unto Ann Hazledine, of Bridgnorth, in the county of Salop, widow of John Hazledine, of Bridgnorth aforesaid, engineer, deceased, that she, in consequence of a discovery communicated to her by her said husband, is become possessed of an invention of certain improvements in a plough for the cultivation of land; to hold to her, her exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

Rose. Chapman. 26th March 1811.

3423. A grant unto John Rose, of Folkeston, in the county of Kent, a lieutenant in the navy, and Thomas Chapman, of Gough Square, in the city of London, gentleman, for their new invented means of conveying vessels of any burthen through the water without the assistance of oars or sails; to hold to them, their exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed, and also in all our colonies and plantations abroad, for the term of fourteen years pursuant to the statute; with a clause to inroll the same within two calendar months from the date thereof; and also with a clause for supplying His Majesty's service with all such articles of the said invention as shall be required by the commissioners of the navy for the time being. By writ, &c.

Kerrod. 26th March 1811.

3424. A grant unto Samuel Kerrod, of Reading, in the county of Berks, plasterer, for his invented cement and size for plastering and stuccoing walls, setting and whitening ceilings, and running and whitening cornices, and colours to be laid on the stucco, as well in oils as distemper, the whole of which is intended for the finishing of the inside of houses; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain

and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

BELL. 26th March 1811.

3425. A grant unto JAMES BELL, of Fieldgate Street, Whitechapel, sugar refiner, for his invented certain improvements in the manner of cutting, shaving, or scraping sugar loaves and lumps, and of pulverizing or reducing to small grains or powder sugar loaves, lumps, and bastard sugar; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

JAMES. 26th March 1811.

3426. A grant unto HENRY JAMES, of Birmingham, in the county of Warwick, for his invented improvement in the method or mode of navigating, forcing, towing, and hauling boats, barges, and other vessels upon canals, rivers, and other navigable waters, by means of mechanism or machinery to be worked by steam or any other suitable power; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed, and also in all our colonies and plantations abroad, for the term of fourteen years pursuant to the statute; with a clause to inroll the same within two calendar months from the date thereof; and also with a clause to supply His Majesty's service with all such articles of the said invention as shall be required by the commissioners of the navy for the time being. By writ, &c.

DEAKIN. 1st April 1811.

3427. A grant unto THOMAS DEAKIN, of Saint John Street, in the county of Middx, stove grate maker, for his invented improvement in kitchen ranges and stoves, and in the mode of setting the same; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within six calendar months from the date thereof. By writ, &c.

STURGEON. 1st April 1811.

3428. A grant unto THOMAS Wm STURGEON, of Howland Street, in the county of Middx, esqr, for his invented improvements on a micrometer; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

BENTHAM. 2nd April 1811.

3429. A grant unto SAMUEL BENTHAM, of Hampstead, in the county of Middx, civil architect and engineer of the navy, for his invented mode of laying foundations, and in some cases of proceeding with the superstructure of works of stone or of brick or other artificially compassed materials, particularly applicable to the projection of wharfs and piers into deep waters, to the construction of bridges and to the formation or improvement of harbours, as well as to the erection of heavy buildings on bad ground; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within six calendar months from the date thereof. By writ, &c.

VARLEY. 5th April 1811.

3430. A grant unto CORNELIUS VARLEY, of Junction Place, Paddington, in the county of Middx, artist, for his invd new telescope, or optical instrument for viewing distant objects, and for other useful purposes, with a suitable table or stand for the same; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

BLENKINSOP. 10th April 1811.

3431. A grant unto JOHN BLENKINSOP, of Middleton, in the parish of Rothwell, in the county of York, coal viewer, for his invented certain mechanical means by which the conveyance of coals, minerals, and other articles is facilitated and the expence is rendered less than heretofore; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed, and also in all our colonies and plantations abroad, for the term of fourteen years pursuant to the statute; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

TAYLOR. 11th April 1811.

3432. A grant unto JOHN TAYLOR, of Greenwich, in the county of Kent, esqr, for his invented certain improvements in the construction of wheels for carriages of different descriptions; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

FINCH. 11th April 1811.

3433. A grant unto WILLIAM FINCH, of Birmingham, in the county of Warwick, iron master, for his invented improved method of making nails of wrought iron; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

BROWN. 24th April 1811.

3434. A grant unto JOHN BROWN, of New Radford, near Nottingham, lace net manufacturer, for his invented machine or machines for the manufacture of bobbin lace or twist net, similar to and resembling the Buckinghamshire lace net and French lace net, as made by the hand with bobbins on pillows; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within six calendar months from the date thereof. By writ, &c.

STOCKWELL. 24th April 1811.

3435. A grant unto JOHN STOCKWELL, of the city and county of Bristol, for his invented improvements in the art or method of manufacturing shag tobacco, whereby the stalks taken out of the leaf tobacco may be cut up into shag tobacco without injuring the quality thereof; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

BUNDY. 24th April 1811.

3436. A grant unto WILLIAM BUNDY, of Camden Town, mathematical instrument maker, for his invd improvemt on stringed musical instruments; to hold to him, his exs, ads, and ass, within that part of our united kingdom

of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

BRADLEY. 24th April 1811.

3437. A grant unto JOHN BRADLEY, of Colborn Hill, in the hamlet of Amblecoat, in the county of Stafford, iron master, for his invented new method of manufacturing gun skelps; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within two calendar months from the date thereof; and also with a clause for supplying His Majesty's service with all such articles of the said invention as shall be required by the master general of the ordnance or commrs of the navy for the time being. By writ, &c.

DOORNIK. 27th April 1811.

3438. A grant unto WILLIAM EVERHARD Baron VAN DOORNIK, of Broad Street, Golden Square, in the county of Middx, for his invented improvemt in the manufacture of soap, to wash with sea water, with hard water, and with soft water; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within six calendar months from the date thereof. By writ, &c.

CASLON. 27th April 1811.

3439. A grant unto WILLIAM CASLON the younger, of Salisbury Square, in the city of London, letter founder, for his invented improvement in the register belonging to a mould for casting types; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within two calendar months from the date thereof, By writ, &c.

THOMPSON. 1st May 1811.

3440. A grant unto GEORGE ALEXANDER THOMPSON, gent., of 36, Parliament Street, for his invented machinery for the purpose of dragging, locking, and scoiting the wheels of carriages; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within two calendar months from the date thereof; and also with a clause for supplying His Majesty's service with all such articles of the said invention as shall be required by the master general of the ordnance for the time being. By writ, &c.

ADAMS. 1st May 1811.

3441. A grant unto STEDMAN ADAMS, of Connecticut, one of the United States, now residing in London, esqr, for his invented method for the application of mechanical powers to the propelling ships and vessels of every description through the water; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed, and also in all our colonies and plantations abroad, for the term of fourteen years pursuant to the statute; with a clause to inroll the same within six calendar months from the date thereof; and also with a clause for supplying His Majesty's service with all such articles of the said invention as shall be required by the commissioners of the navy for the time being. By writ, &c.

DOBSON. 1st May 1811.

3442. A grant unto JOHN DOBSON, of the town and county of Newcastle-upon-Tyne, upholsterer, for his invented certain improvements in the manufacture of rudder bands and bolts for shipping; to hold to him, his exors,

admrs, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed, and also in all our colonies and plantations abroad, for the term of fourteen years pursuant to the statute; with a clause to inroll the same within six calendar months from the date thereof; and also with a clause for supplying His Majesty's service with all such articles of the said invention as shall be required by the commissioners of the navy for the time being. By writ, &c.

Moore. 1st May 1811.

3443. A grant unto John Moore, of Newington Causeway, in the county of Surrey, lace net manufacturer, for his invented machine or machines for the manufacture of gold and silver twist, silk, cotton, or thread twisted lace net, similar to and resembling the Buckinghamshire and Northamptonshire lace, as made by the hand with bobbins on pillows, and for making iron, brass, or copper wire net; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed, and also in all our colonies and plantations abroad, for the term of fourteen years pursuant to the statute; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

Ball. 7th May 1811.

3444. A grant unto John Ball, of Hethersett, in the county of Norfolk, engineer, for his invented improved cooking stove; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within six calendar months from the date thereof. By writ, &c.

Cranfield. 7th May 1811.

3445. A grant unto Thomas Cranfield, of Ilminster, in the county of Somerset, for his invented improvement upon machines for spinning and roving of cotton, flax, tow, hemp, wool, and silk, and twisting of thread; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

Jones. 9th May 1811.

3446. A grant unto Thomas Jones, of Kenton Street, Russell Square, in the county of Middx, mathematical instrument maker, for his invented new instrument for dividing lines and distances, which will be useful to mathematicians, architects, and draftsmen; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

Hawkins. 9th May 1811.

3447. A grant unto Griffin Hawkins, of Water Lane, Tower Street, in the city of London, ship and insurance broker, for his invented and discovered apparatus, calculated for the better defence of ships and vessels of different descriptions agst being boarded or taken possession of by an enemy; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within two calendar months from the date thereof; and also with a clause for supplying His Majesty's service with all such articles of the said invention as shall be required by the commrs of the navy for the time being. By writ, &c.

GILPIN. 16th May 1811.

3448. A grant unto WILLIAM GILPIN, of Wedges Mills, near Litchfield, in the county of Stafford, augur maker, for his inv^{d} improved method of manufacturing augurs; to hold to him, his ex̃ors, adm̃ors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within two calendar months from the date thereof. By writ, &^{c}.

STREET. 21st May 1811.

3449. A grant unto JOHN STREET, of Hillfield, in the county of Gloucester, esq^{r}, for his invented certain improvements in the mode of making and working bellows; to hold to him, his ex̃ors, adm̃ors, and ass^{s}, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within two calendar months from the date thereof. By writ, &^{c}.

JENKINS. 21st May 1811.

3450. A grant unto WILLIAM JENKINS, of Birmingham, in the co^{y} of Warwick, brass founder, for his invented improvement in the method of manufacturing flat backed handles & rings of different shapes and forms, used with or affixed to cabinet and other furniture and things; to hold to him, his ex̃ors, adm̃ors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within two calendar months from the date thereof. By writ, &^{c}.

PARSONS. 21st May 1811.

3451. A grant unto JAMES PARSONS, of Wellington, in the county of Somerset, builder, for his invented hinges and pullies for doors and windows; to hold to him, his ex̃ors, adm̃ors, and assigns, within that part of our united kingdom of Great Britain & Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within two calendar months from the date thereof. By writ, &^{c}.

DICKINSON. 21st May 1811.

3452. A grant unto JOHN DICKINSON, of Ludgate Hill, in the city of London, stationer, for his inv^{d} certain improvements in his patent machinery for making, cutting, and placing of paper; to hold to him, his ex̃ors, adm̃ors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within six calendar months from the date thereof. By writ, &^{c}.

BREWSTER. HARRIS. 21st May 1811.

3453. A grant unto DAVID BREWSTER, of Edinburgh, North Britain, doctor of laws, WILLIAM HARRIS, of Holborn, in the county of Middx, optician, for their invented and found out certain optical instruments for measuring angles; and also certain improvements upon and additions to telescopes and other optical instruments for the purpose of measuring angles and distances with facility, and for other purposes; to hold to them, their ex̃ors, adm̃ors, and ass^{s}, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within two calendar months from the date thereof. By writ, &^{c}.

GILPIN. 11th June 1811.

3454. A grant unto GEORGE GILPIN, of Sheffield, in the county of York, worsted spinner, for his invented machine or instrument for combing wool and preparing it for spinning, and also for dressing flax and preparing it for spinning; and also certain improvements in the construction of a machine known by the name of a breaking frame, for drawing and cleaning of the wool from the combs used in the first ment^{d} machine; and also a stove, to be

heated by fire or steam, for the purpose of heating the said combs ; to hold to him, his exors, admors, and ass^{s}, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

TAITE. DONKIN. DIXON. 11th June 1811.

3455. A grant unto JOSEPH TAITE, of Bermondsey New Road, in the county of Surrey, gent^{n}, BRYAN DONKIN, of Bermondsey afs^{d}, engineer, and WILLIAM DIXON, of Bermondsey afs^{d}, millwright, for their invented certain machinery for finishing piece goods, or other flexible articles or materials of the like description, by glazing, burnishing, graining, or making impressions upon the surfaces thereof resply, as may be required ; to hold to them, their exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

PIPER. 11th June 1811.

3456. A grant unto WILLIAM PIPER, of Woolverley, in the county of Worcester, iron manufacturer, for his invented improved mode of manufacturing gun skelps ; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed, and also in all our colonies and plantations abroad, for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within two calendar months from the date thereof ; and also with a clause for supplying His Majesty's service with all such articles of the said invention as shall be required by the master general of the ordnance for the time being. By writ, &c.

WATERS. 14th June 1811.

3457. A grant unto RICHARD WATERS, of Fore Street, Lambeth, in the county of Surry, potter, for his invented new method of manufacturing pottery ware ; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

SHELDRAKE. 15th June 1811.

3458. A grant unto TIMOTHY SHELDRAKE, of the Strand, in the county of Middlesex, mechanic, for his invented certain wheels, which, when combined together, will constitute a moving power of great force, by the application of which to many engines, machines, and machinery that are now set in motion by steam, wind, water or animal power the effect of the said known powers will be greatly increased, and the labor of man or horses that are now employed on the said engines, machines, or machinery will be diminished ; that the same wheels, so invented by him, may be introduced, in part or in the whole, into many engines, machines, or machinery, for whatever uses they may be employed, instead of the wheels and pinions by which such engines, machines, or machinery are generally kept in motion ; that these wheels which he has invented, when so introduced, will work with much less friction and much greater velocity than those which are usually employed ; that in consequence less of the moving powers which is exerted upon the said engines, machines, or machinery will be wasted, and less time will be employed ; of course the effect of such engines, machines, or machinery will be greatly increased ; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within four calendar months from the date thereof. By writ, &c.

HAMOND. 27th June 1811.

3459. A grant unto CHARLES HAMOND, of Milk Street, Cheapside, in the city of London, gent^{n}, for his inv^{d} improved machine for sawing, cutting, and plaining wood; to hold to him, his ex̃ors, adm̃ors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed, and also in all our colonies and plantations abroad, for the term of fourteen years pursuant to the statute; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

ATTWOOD. COOK. 27th June 1811.

3460. A grant unto THOMAS ATTWOOD, of Birmingham, in the co^{y} of Warwick, esq^{r}, and BENJAMIN COOK, of the same place, gilt toy maker, for their invented new method of combining and connecting together different kind of metals, and of combining and connecting metals and wood together, in such way as to make the combination thereof, whether the same be of metals or of metals and wood, have one appearance or representation only; to hold to him, his ex̃ors, adm̃ors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within six calendar months from the date thereof. By writ, &c.

DOUGLAS. 2nd July 1811.

3461. A grant unto Sir HOWARD DOUGLAS, of High Wycombe, in the county of Warwick, brass founder, for his invented improved reflecting circle or semicircle; to hold to him, his ex̃ors, adm̃ors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

SUTTON. 2nd July 1811.

3462. A grant unto RALPH SUTTON, of Birmingham, in the co^{y} of Warwick, brass founder, for his invented improved self acting curtain or window blind rack; to hold to him, his ex̃ors, adm̃ors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

DAWSON. 3rd July 1811.

3463. A grant unto ROBERT DAWSON, of Rownham Place, in the parish of Clifton, in the county of Gloucester, mechanic, for his invented improved mode of applying any moving power to machinery, and of increasing such power, and of rendering machinery more easily susceptible of a multiplicity of such powers at the same or different times; to hold to him, his ex̃ors, adm̃ors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed, and also in all our colonies and plantations abroad, for the term of fourteen years pursuant to the statute; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

BAGNALL. 11th July 1811.

3464. A grant unto JOSEPH BAGNALL, of Walsall, in the county of Stafford, sadlers ironmonger, for his inv^{d} improved mode of making bridle bitts, snaffles, and bradoons for horses, and martingale hooks and rings, whereby the leather or other work belonging to the same may, with much greater convenience, be separated therefrom, for the purpose of altering, changing, repairing, or preserving the same, as occasion may require; to hold to him, his ex̃ors, adm̃ors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

TROTTER. 19th July 1811.

3465. A grant unto JOHN TROTTER, of Soho Square, in the county of Middlesex, esq^{r}, for his invented improvements in the application of steam and other powers to useful purposes by means of suitable apparatus; to hold to him, his ex̃ors, adm̃ors, and ass^{s}, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within 6 calendar months from the date thereof. By writ, &c.

MONNOYEUR. 22nd July 1811.

3466. A grant unto CLAUDE CELESTIN MONNOYEUR, of the parish of S^{t} Luke, Chelsea, in the county of Midd^{x}, gent^{n}, for his inv^{d} imp^{d} process for the purification of ardent spirits, by which a pure neutral spirit is obtained without rectification or the aid of fire; to hold to him, his ex̃ors, adm̃ors, and ass^{s}, within that part of our united kingdom of Great Britain & Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within six calendar months from the date thereof. By writ, &c.

BADSTONE. 24th July 1811.

3467. A grant unto JOSEPH BADSTONE, of Bridgwater, in the county of Somerset, cabinet maker, for his invented improvements applicable to bedsteads and various other things; to hold to him, his ex̃ors, adm̃ors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

CUMMING 26th July 1811.

3468. A grant unto DONALD CUMMING, of Whitefield, in the county of Northumberland, farmer, for his invented machine for reaping and cutting corn, grass, and other articles; to hold to him, his ex̃ors, adm̃ors, and ass^{s}, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within four calendar months from the date thereof. By writ, &c.

JAMES. JONES. 26th July 1811.

3469. A grant unto HENRY JAMES, of Birmingham, in the county of Warwick, merchant, and JOHN JONES, of Birmingham aforesaid, gun barrel maker, for their invented certain improvements in the manufacture of barrels of all description of fire arms and artillery; to hold to them, their ex̃ors, adm̃ors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within six calendar months from the date thereof; and also with a clause for supplying His Majesty's service with all such articles of the said invention as shall be required by the master general of the ordnance or comm^{rs} of the navy for the time being. By writ, &c.

MAYER. 31st July 1811.

3470. A grant unto MATTHEW JAMES MAYER, of Pentonville, in the county of Midd^{x}, mathematical instrument maker, for his invented improved construction of the instantaneous light machine; to hold to him, his ex̃ors, adm̃ors, and ass^{r}, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within 6 calendar months from the date thereof. By writ, &c.

DURAND. 3rd August 1811.

3471. A grant unto PETER DURAND, of Hoxton Square, in the county of Midd^{x}, merchant, that in consequence of a communication made to him by a certain foreigner residing abroad is become possed of an invention for certain

improvements in or addition to lamps, and for rendering the illumination more soft and agreeable to the eye ; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within six calendar months from the date thereof. By writ, &c.

ASHLEY. 7th August 1811.

3472. A grant unto JOHN ASHLEY, of Homerton, in the county of Middlesex, plumber, for his invented improved filtering vessel for purifying and cleansing water ; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

GILBERT. 7th August 1811.

3473. A grant unto THOMAS GILBERT, of Great Yarmouth, in the county of Norfolk, gentn, for his invented certain improvements in machinery for the delivery of bricks, tiles, ornaments, pottery ware, and other articles made in moulds, after the moulds are filled ; to hold to him, his exs, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

BROWN. 7th August 1811.

3474. A grant unto HOUSTOWN RIGG BROWN, of Edinburgh, coachmaker, for his invented certain improvements in the construction of wheel carriages, wheels, axles, and boxes ; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

TAYLOR. 7th August 1811.

3475. A grant unto WILLIAM TAYLOR, of Gomersall, in the county of York, merchant, for his invented certain machine or apparatus, to be attached to the axle tree and nave of wheel carriages, whereby their motion may be gradually checked and stopped, and also again loosened or unstopped, at the pleasure of the driver or passengers, during the progress of the carriage ; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

MALLORY. 7th August 1811.

3476. A grant unto JAMES MALLORY, of the state of New York, one of the United States, now residing in the city of London, hatter, that in consequence of a communication made to him by a certain foreigner residing abroad he is in the possession of a method of making a machine for cutting or shearing the nap or wool from all kinds of broad and narrow cloths ; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain & Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

DAVIS. 7th August 1811.

3477. A grant unto WILLIAM DAVIS, of Royal Oak Yard, Bermondsey Street, in the county of Surrey, engineer, for his invented machine for chopping meat for sausages, and other like purposes ; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and

Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within two calendar months from the date thereof.

By writ, &c.

JORDEN.
20th August 1811.

3478. A grant unto JOHN STUBBS JORDEN, of Birmingham, in the county of Warwick, patent copper window frame manufacturer, for his invented new method of glazing hothouses, greenhouses, and all horticultural buildings ; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

GOOD.
9th Sept. 1811.

3479. A grant unto WILLIAM GOOD, of Coleman Street, in the city of London, plumber, for his invented improvements in valves for various purposes ; to hold to him, his exors, admors, & asss, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within 2 calendar months from the date thereof. By writ, &c.

ROCHFORT.
9th Sept. 1811.

3480. A grant unto WALTER ROCHFORT, of Bishopsgate Street, in the city of London, grocer and tea dealer, for his invented discovered improved method of preparing coffee ; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

COLLARD.
9th Sept. 1811.

3481. A grant unto WILLIAM FREDERICK COLLARD, of Tottenham Court Road, in the county of Middlesex, musical instrument maker, for his invented certain improvements upon an upright piano forte ; to hold to him, his exors, admors, & assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within 2 calendar months from the date thereof.

By writ, &c.

BARTON.
9th Sept. 1811.

3482. A grant unto JOHN BARTON, of Tufton Street, Westmr, in the county of Middx, engineer, for his invented sawing machine upon an improved construction ; to hold to him, his exors, admors, & asss, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed, and also in all our colonies and plantations abroad, for the term of fourteen years pursuant to the statute; with a clause to inroll the same within 6 calendar months from the date thereof.

By writ, &c.

JENKINS.
9th Sept. 1811.

3483. A grant unto WILLIAM WALKER JENKINS, of Birmingham, in the county of Warwick, brass founder, for his invented improvement in the method of manufacturing drawer and other knobs of different shapes and forms, used with or affixed to cabinet and other furniture and things ; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within two calendar months from the date thereof.

By writ, &c.

JONES. 9th Sept. 1811.

3484. A grant unto JOHN JONES, of Beverton, in the county of Glamorgan, gent^{n}, for his invented method or methods of applying the expansive force or pressure of atmospheric air, condensed air, or steam, in or upon a wheel, so as to be the first mover of machinery; to hold to him, his ex̃ors, adm̃ors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

LOGAN. 9th Sept. 1811.

3485. A grant unto MICHAEL LOGAN, of Paradise Street, Rotherhithe, in the county of Surrey, engineer, for his invented instrument for the generation of fire, and various purposes in chemical and experimental operations; to hold to him, his ex̃ors, adm̃ors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within six calendar months from the date thereof. By writ, &c.

STRACHAN. 9th Sept. 1811.

3486. A grant unto WILLIAM STRACHAN, of Poole Cottage, in the county of Chester, chemist, for his invented new method of preparing the ore of cobalt for the various purposes to which it is applicable in trade, manufacture, and painting; to hold to him, his ex̃ors, adm̃ors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within six calendar months from the date thereof. By writ, &c.

CHANCELLOR. 9th Sept. 1811.

3487. A grant unto JOHN CHANCELLOR, of Sackville Street, in the city of Dublin, watch and clock maker, for his invented mechanical musical instrument, on a new construction, applicable to clocks and other kinds of machinery; to hold to him, his ex̃ors, adm̃ors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within six calendar months from the date thereof. By writ, &c.

MARSH. 9th Sept. 1811.

3488. A grant unto THOMAS MARSH, of Kings Street, in the county of Middlesex, watchmaker, for his invented improvement in the construction of watches; to hold to him, his ex̃ors, adm̃ors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within six calendar months from the date thereof. By writ, &c.

KITCHEN. 14th Sept. 1811.

3489. A grant unto GEORGE KITCHEN, of Sheffield, in the county of York, silver plater, for his invented method of making portable sconces or branches; to hold to him, his ex̃ors, adm̃ors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

SILVESTER. 14th Sept. 1811.

3490. A grant unto EDWARD SILVESTER, of Rochester, in the county of Kent, millwright, for his invented new drag or skid, to be applied to the wheels of carriages of different descriptions; to hold to him, his ex̃ors, adm̃ors, and assigns, within that part of our united kingdom of Great Britain and

Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within two calendar months from the date thereof.
By writ, &c.

FOTHERGILL. 23rd Sept. 1811.

3491. A grant unto Wm FOTHERGILL, of Greenfield, in the county of Flint, copper forger, for his invented new method of making copper rollers for printing ; to hold to him, his exors, ads, & asss, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

MAAS. 23rd Sept. 1811.

3492. A grant unto JOHANNES AMBROSIUS MAAS, of Hammersmith, in the county of Middx, gentn, for his invd improvement in the making of vinegar ; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed, and also in all our colonies and plantations abroad, for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within 6 calendar months from the date thereof.
By writ, &c.

NEEDHAM. 23rd Sept. 1811.

3493. A grant unto JAMES NEEDHAM, of Islington Green, in the coy of Middx, brewer and corn dealer, for his invd portable apparatus for brewing beer and ale from malt ; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

STRACHAN. 1st October 1811.

3494. A grant unto WILLIAM STRACHAN, of Poole Cottage, in the county of Chester, chemist, for his invented new method of making salt ; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within six calendar months from the date thereof. By writ, &c.

MIERS. 30th October 1811.

3495. A grant unto JOHN MIERS, of the precinct of the Savoy, in the county of Middx, jeweller, for his invented new method of accelerating the evaporation of liquid or fluid bodies, destroying the noxious and offensive effluvia arising from spent soap lyes, or other liquid, fluid, or solid substance, and generating an increased degree of heat without additional fuel ; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within two calendar months from the date thereof.
By writ, &c.

KOENIG. 30th October 1811.

3496. A grant unto FREDERICK KOENIG, of Castle Street, Finsbury Square, printer, for his invented further improvements on his method of printing by means of machinery ; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Gt Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within six calendar months from the date thereof. By writ, &c.

WITTY. 30th October 1811.

3497. A grant unto RICHARD WITTY, of the town of Kingston-upon-Hull, gentleman, for his invd furr improvements in his invention for the construction of steam engines, secured by Letters Patent bearing date the 14th day of

February 1810; to hold to him, his exors, ads, and asss, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

DYER. 30th October 1811.

3498. A grant unto JOSEPH C. DYER, of Boston, state of Massachusets, one of the United States, now residing in Grays Inn, merchant, that in consequence of a communication made to him by a certain foreigner residing abroad is become possed of an invn of certain machinery to be used and applied in manufacturing cards for carding wool, cotton, silk, flax, and tow, and other fibrous materials of the like description; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Bn and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed, and also in all our colonies and plantations abroad, for the term of fourteen years pursuant to the statute; with a clause to inroll the same within six calendar months from the date thereof. By writ, &c.

MARTYN. 30th October 1811.

3499. A grant unto RICHARD LOMAX MARTYN, of Tillington, in the county of Sussex, clerk, for his invented improvemt for hoeing turnips, and for other farming purposes, which he denominates an "agricultural hoe"; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within 2 calendar months from the date thereof. By writ, &c.

RUDDER. 30th October 1811.

3500. A grant unto WILLIAM RUDDER, of Birmingham, in the county of Warwick, cock founder and warming pan maker, for his invd impt or improvements in the construction of cocks used for the purpose of draws of ale, porter, beer, cyder, wine, water, and other liquid and fluids; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

DAVIES. 30th October 1811.

3501. A grant unto THOMAS DAVIES, of Brewer Street, in the county of Middlesex, goldsmith, for his invented certain improvemts in the construction of buckles for various purposes; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

CURR. 30th October 1811.

3502. A grant unto JOHN CURR, of Belle Vue House, in the parish of Sheffield, in the county of York, gentleman, for his invented methods of laying or making of ropes, whereby the strands, after being hardened, are kept in more regular distention, and the ropes are more uniformly twisted than when laid by the sledge; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within 2 calendar months from the date thereof; and also with a clause for supplying His Majesty's service with all such articles of the said invention as shall be required by the commrs of the navy for the time being. By writ, &c.

PEARSALL. 30th October 1811.

3503. A grant unto THOMAS PEARSALL, of Willsbridge, in the coy of Gloucester, iron master, for his invented new method of constructing iron work for certain parts of buildings; to hold to him, his exors, admors, and assigns

within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

LOWNDES. 30th October 1811.

3504. A grant unto JOHN LOWNDES, of Hollen Street, Soho, in the county of Middx, modeller, for his invd impd method of warming or heating a bath; to hold to him, his exs, ads, & ass, within that part of our united kingdom of Gt Bn and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to thestatute; with a clause to inroll the same within 2 calendar months from the date thereof. By writ, &c.

CLOSE. 2nd Nov. 1811.

3505. A grant unto WILLIAM CLOSE, of Dalton, in the county palatine of Lancaster, apothecary, for his invented improvements in trumpets of different denominations, namely, the treble or common trumpet, the French horn or tenor trumpet, and the bugle horn; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within six calendar months from the date thereof; and also with a clause for supplying His Majesty's service with all such articles of the said invention as shall be required by the master general of the ordnance for the time being. By writ, &c.

BRODERIP. 2nd Nov. 1811.

3506. A grant unto CHARLES BRODERIP, of Great Portland Street, in the county of Middlesex, gentleman, for his invented certain improvements in the mode of constructing steam engines; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed, and also in all our colonies and plantations abroad, for the term of fourteen years pursuant to the statute; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

DE BERENGER. 21st Nov. 1811.

3507. A grant unto CHARLES RANDOM DE BERENGER, formerly of Germany, but now residing in Pall Mall, in the city and liberty of Westminster, in the county of Middlesex, gentn, that in consequence of information recd from a certain learned foreigner residing in parts abroad, and from various researches and experiments made by himself, hath invented certain means of producing a valuable oil, and also soap and barilla, and a black colour or pigment; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

BAKER. 23rd Nov. 1811.

3508. A grant unto JOSEPH BAKER, of Butlers Green, near Cuckfield, in the county of Sussex, navy contractor, for his invented improved method, by means of machinery, of kneading dough without manipulation; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

ADAM. 26th Nov. 1811.

3509. A grant unto JAMES ADAM, of Petkellony, in the county of Perth, esqr, for his invented new method of drying malt and all kinds of grain and seeds; to hold to him, his exors, admors, and assigns, within that part of

our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

WINSOR. 4th Dec. 1811.

3510. A grant unto FREDERICK ALBERT WINSOR, of Shooters Hill, in the county of Kent, esq^r, for his invented method of employing both raw and refined sugars in the composition of sundry articles of merchandize in great demand, where it has not heretofore been used; to hold to him, his ex̃ors, adm̃ors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within six calendar months from the date thereof. By writ, &c.

HUDSON. 9th Dec. 1811.

3511. A grant unto JOHN HUDSON, of Cheapside, in the city of London, paper hanger, for his invented new composition for printing or painting on paper, linen, stuccoed walls, and boarding, for the purpose of ornamenting the walls and ceilings of rooms; to hold to him, his ex̃ors, adm̃ors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

ELVEY. 16th Dec. 1811.

3512. A grant unto JOHN ELVEY, of the city of Canterbury, in the county of Kent, millwright, for his invented improvements upon a winnowing machine; to hold to him, his ex̃ors, adm̃ors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

SORBY. 19th Dec. 1811.

3513. A grant unto JOHN SORBY the yo^r, of Sheffield, in the county of York, shearsmith, for his invented method of making sheep or wool shears, glovers shears, and horse shears, upon a new and improved construction; to hold to him, his ex̃ors, adm̃ors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

NICHOLSON. 13th Jan. 1812.

3514. A grant unto WILLIAM NICHOLSON, of Bloomsbury Square, in the county of Middx, esq^r, for his invented certain improvem^ts in the method or manner of supporting or suspending the bodies or principal parts of wheel carriages; to hold to him, his ex̃ors, adm̃ors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within six calendar months from the date thereof. By writ, &c.

WEBSTER. 13th Jan. 1812.

3515. A grant unto ROBERT WEBSTER, of Mountfields, in the parish of Saint Chadds, Shrewsbury, in the county of Salop, for his invented improved portable mangle; to hold to him, his ex̃ors, adm̃ors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

KELLY.
VAZIE.
15th Jan. 1812.

3516. A grant unto JASPER AUGUSTUS KELLY, of Kentish Town, in the county of Middx, gent., and ROBERT VAZIE, of Highgate, in the said county of Middlesex, engineer and architect, for their certain improvements in the construction or formation of arches, and other erections and buildings, which, in respect to the patron of the said invention, they denominate "Moore's modern architecture" ; to hold to them, their exors, admors, & assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within six calendar months from the date thereof. By writ, &c.

TAYLOR.
20th Jan. 1812.

3517. A grant unto JOHN TAYLOR the younger, of Chesterfield, in the county of Derby, gentn, for his invented certain machine and rods for cutting, spreading, and preparing wicks for dip candles ; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within two calendar months from the date thereof.
By writ, &c.

RAFFIELD.
20th Jan. 1812.

3518. A grant unto JOHN RAFFIELD, of Edward Street, Cavendish Square, in the county of Middx, architect, for his invented apparatus, to be attached to fire stoves of all descriptions for rooms, for the removal of cinders and ashes, and the better preventing of dust arising therefrom ; to hold to him, his exors, admors, and assns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within two calendar months from the date thereof.
By writ, &c.

ZINK.
20th Jan. 1812.

3519. A grant unto JACOB ZINK, of Globe Road, Mile End, in the county of Middx, chemist, for his invented new method of manufacturing verdigris, which he denominates British verdigris ; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

WHITE.
20th Jan. 1812.

3520. A grant unto GEORGE WHITE, of Worthing, in the county of Sussex, smith and ironmonger, for his improved method of preventing accidents from carriages ; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within six calendar months from the date thereof. By writ, &c.

PATTEN.
HANKINSON.
20th Jan. 1812.

3521. A grant unto ANDREW PATTEN, of Hulme, in the parish of Manchester, in the county of Lancaster, iron liquor manufacturer, CHARLES HANKINSON, of Hale, in the parish of Bowden, in the county of Chester, tanner, for their invented improvement in the tanning of leather, by the use of pyrolignus or wood acid ; to hold to them, their exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

DODD. 23rd Jan. 1812.

3522. A grant unto GEORGE DODD, of Vauxhall, in the county of Surrey, engineer, for his invented certain machinery, and the application of steam, to communicate heat and motion to wines, porter, and other liquids or fluids in cellars, storehouses, warehouses, or other places ; to hold to him, his ex̃ors, adm̃ors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed, and also in all our colonies and plantations abroad, for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

BEALE. 23rd Jan. 1812.

3523. A grant unto JOHN BEALE, of Chads Row, in the parish of Saint Pancras, and county of Midd̃x, mathematical instrument and umbrella maker, for his invented machine or engine for cutting of trunnels and spiles, and various other articles ; to hold to him, his ex̃ors, adm̃ors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

ONIONS. 23rd Jan. 1812.

3524. A grant unto WILLIAM ONIONS, of Paulton, in the county of Somerset, engineer, for his invented new engine or machine, which may be wrought by steam or other power ; to hold to him, his ex̃ors, adm̃ors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed, and also in all our colonies and plantations abroad, for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

ROWLAND. 23rd Jan. 1812.

3525. A grant unto RICHARD ROWLAND, of the city of Bristol, mathematical instrument maker, for his invented improvements in ships steering wheel, compasses, and binnacles ; the mode of lighting the same with lamp or candle, by which light the cabin or other part of the vessel may be lighted ; likewise a method of preserving the candles in hot climates ; to hold to him, his ex̃ors, adm̃ors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed, and also in all our colonies and plantations abroad, for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within two calendar months from the date thereof ; and also with a clause for supplying His Majesty's service with all such articles of the said invention as shall be required by the commissioners of the navy for the time being. By writ, &c.

BABB. 23rd Jan. 1812.

3526. A grant unto GEORGE BABB, of Bordesly, near Birmingham, in the county of Warwick, engineer, for his invented new method or principle of producing tiles, plane irons, fire irons, and other articles ; to hold to him, his ex̃ors, adm̃ors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within six calendar months from the date thereof. By writ, &c.

BROWN. 25th Jan. 1812.

3527. A grant unto JOHN BROWN, of Mile End New Town, in the county of Midd̃x, stationer, for his invented pocket, on an improved construction, to be used about the person or otherwise ; to hold to him, his ex̃ors, adm̃ors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within six calendar months from the date thereof. By writ, &c.

CARTWRIGHT. 28th Jan. 1812.

3528. A grant unto JOSEPH CARTWRIGHT, of Arundel Street, in the county of Middlesex, artist, for his invented and discovered material, applicable to the manufacture of table and other spoons; to hold to him, his exors, ads, & asss, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

BRUNEL. 28th Jan. 1812.

3529. A grant unto MARC ISAMBARD BRUNEL, of Chelsea, in the coy of Middx, gent., for his invd certain improvements on saw mills; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

CHELL. 28th Jan. 1812.

3530. A grant unto PHILIP CHELL, of Birmingham, in the county of Warwick, engineer, for his invented certain improvements in the method or means of giving motion to machinery, and also of raising water or other fluids from a lower to a higher level; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within six calendar months from the date thereof. By writ, &c.

GROLL. 28th Jan. 1812.

3531. A grant unto CHARLES GROLL, of Leicester Place, Leicester Square, in the county of Middx, for his invented certain improvements in the constructing or making of musical instruments which afford their tones by friction, applicable to metallic substances; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within six calendar months from the date thereof. By writ, &c.

TAYLOR. 28th Jan. 1812.

3532. A grant unto ALLEN TAYLOR, of Barking, in the county of Essex, for his invented engine for the purpose of manufacturing all sorts of grain into flour, meal, or any thing else required, which engine may be applied to many other useful purposes; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within 6 calendar months from the date thereof. By writ, &c.

STEINHŒUSER. 4th Feb. 1812.

3533. A grant unto JOHN LEBERECHT STEINHŒUSER, of Piccadilly, in the county of Middx, mathematical instrument maker, for his invented improvement applicable to fire screens, music stands, or reading desks, and candelabres; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed, for the term of fourteen years pursuant to the statute; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

ROBERTS. 4th Feb. 1812.

3534. A grant unto SAMUEL ROBERTS, of Sheffield, in the county of York, silver plater, for his invented method of working lavers or wash basons of metal, much more elegant and useful than hath hitherto been made; to hold to him, his exors, admors, and assigns, within that part of our united

kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

GILES. 6th Feb. 1812.

3535. A grant unto ROBERT GOSWELL GILES, of the city of London, merchant, for his invented cap or cowl of a new construction, to be placed on the tops of chimneys to prevent the smoke from being driven down by the wind ; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

PALMER. 6th Feb. 1812.

3536. A grant unto WILLIAM PALMER, of Temple Place, Blackfriars Road, in the county of Surrey, clerk, for his invented certain piece or pieces of machinery, called by him "revolving rollers and revolving roller wheels," one or other of which may be applied to every sort or description of wheel carriages in addition to and in conjunction with part, or instead of any of the wheels and axle tree at present commonly used and attached to wheel carriages (as the case may be), and which, being so applied, will greatly help, facilitate, and render more easy the draught of all carriages ; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within two calendar months from the date thereof; and also with a clause for supplying His Majesty's service with all such articles of the said invention as shallbe required by the master general of the ordnance or commissioners of the navy for the time being. By writ, &c.

STEELE. 8th Feb. 1812.

3537. A grant unto JEREMIAH STEELE, of Liverpool, in the county of Lancaster, distiller, for his invented new apparatus, and method of working the same, for distilling and rectifying spirits ; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed, and also in all our colonies and plantations abroad, for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

DICKINSON. MAUDSLAY. 8th Feb. 1812.

3538. A grant unto ROBERT DICKINSON, of Great Queen Street, Lincolns Inn Fields, in the county of Middx, esqr, and HENRY MAUDSLAY, of Lambeth, in the county of Surry, engineer, for their invented process of sweetening water and other liquids, and applicable to other purposes; to hold to them, their exors, admors, & assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within six calendar months from the date thereof. By writ, &c.

FIGGINS. 19th Feb. 1812.

3539. A grant unto THOMAS FIGGINS, of Portsmouth, in the county of Hants, upholsterer, for his invented couch, which he denominates a palenquin couch, upon an improved construction ; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

DOLLOND. 19th Feb. 1812.

3540. A grant unto GEORGE DOLLOND, of Saint Pauls Church Yard, in the city of London, optician, for his invented improved method of lighting the compass, commonly called the binnacle compass, used for steering ships at sea, and for other improvements relating to ships binnacles ; to hold to him, his exors, admors, & assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within two calendar months from the date thereof ; and also with a clause for supplying His Majesty's service with all such articles of the said invention as shall be required by the commrs of the navy for the time being. By writ, &c.

CONSTANT. 27th Feb. 1812.

3541. A grant unto LOUIS HONORÉ GERMAIN CONSTANT, of Blandford Street, Portman Square, in the county of Middx, for his invented new method of refining sugars ; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed, and also in all our colonies and plantations abroad, for the term of fourteen years pursuant to the statute; with a clause to inroll the same within six calendar months from the date thereof. By writ, &c.

Sealed by the Lord Chancellor's order, dated 26th Febry 1812.

PURDEN. 27th Feb. 1812.

3542. A grant unto FRANCIS PURDEN, of the city of Litchfield, sadler, for his invented impd horse boot, for the preservation of sound & the restoration of contracted hoofs ; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

DYER. 4th March 1812.

3543. A grant unto JOSEPH C. DYER, of Boston, state of Massachusetts, one of the United States, now residing in Grays Inn, London, merchant, that in consequence of a communication made to him by a certain foreigner residing abroad is possessed of certain machinery for cutting and heading of nails from strips or plates made of iron, copper, or any other metal capable of being rolled into plates; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within 6 calendar months from the date thereof. By writ, &c.

Sealed by the Lord Chancellor's order, dated 28th Febry 1812.

BENTHAM. 5th March 1812.

3544. A grant unto SAMUEL BENTHAM, of Hampstead, in the county of Middx, civil architect and engineer, for his invented new mode of excluding the water of the sea, of rivers, or of lakes temporarily, during the execution of under water works of masonry or other materials; or permanently, for the security of foundations, applicable, for example, to the construction of sea walls, wharfs, piers, docks, and bridges ; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

SCHMACALDER. 5th March 1812.

3545. A grant unto CHARLES AUGUSTUS SCHMACALDER, of the Strand, in the county of Middlesex, mathematical instrument maker, for his invented certain improvements in mathematical instruments ; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-

upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

MATHEW. 5th March 1812.

3546. A grant unto FELTON MATHEW, of Goswell Street, in the county of Middx, merchant, for his invented certain improvements in the manufacturing of yeast ; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

DUNDONALD. 14th March 1812.

3547. A grant unto ARCHIBALD Earl of DUNDONALD for his invented method of preparing and manufacturing alkaline salts from vegetables the growth of the united kingdom of Great Britain and Ireland ; to hold to him, his exors, admors, & assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed, and also in all our colonies and plantations abroad, for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within six calendar months from the date thereof. By writ, &c.

LOACH. 14th March 1812.

3548. A grant unto JOHN LOACH, of Birmingham, in the county of Warwick, brass founder, for his invented improvement in the method of manufacturing claw, socket, and other kinds of castors, and also knobs and furniture for locks ; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

GUPPY. 14th March 1812.

3549. A grant unto SARAH GUPPY, wife of Samuel Guppy, of the city of Bristol, merchant, for her invented certain improvements in tea and coffee urns ; to hold to her, and unto her exors, admors, & assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

HART. 24th March 1812.

3550. A grant unto WILLIAM HENRY HART, of New York, one of the United States of America, now residing in London, that in consequence of a communication from a foreigner residing abroad he is in possession of a new method or machine for cutting, cropping, or shearing woollen and other cloths, and the fur from peltry ; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within four calendar months from the date thereof. By writ, &c.

SNOWDEN. 28th March 1812.

3551. A grant unto WILLIAM FRANCIS SNOWDEN, of Oxford Street, in the county of Middx, engine maker, for his invented mangle on an improved construction ; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

DRAKE. 8th April 1812.

3552. A grant unto JAMES LAWRENCE DRAKE, of Baldwin Court, Cloak Lane, in the city of London, merchant, for his invented method of preparing the various sorts of isinglass, such as book, leaf, long staple, and short staple,

and also cake isinglass, from river and marine fish; to hold to him, his exors, admors, and asss, within that part of our united kingdom of Great Britain & Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within two calendar months from the date thereof.
By writ, &c.

Whitfield.
15th April 1812.

3553. A grant unto William Whitfield, of Birmingham, in the county of Warwick, steel yard maker, for his invented one side compound lever steel yard; that he is the first and true inventor thereof; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within two calendar months from the date thereof.
By writ, &c.

Ashley.
15th April 1812.

3554. A grant unto John Ashley, of Homerton, in the county of Middlesex, plumber, for his invented horizontal and vertical moving roaster; to hold to him, his exors, admors, and asss, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within two calendar months from the date thereof.
By writ, &c.

Bradbury.
Weaver.
15th April 1812.

3555. A grant unto John Leigh Bradbury, of the city of Gloucester, gentleman, and Charles Weaver, of the same city, pin manufacturer, for their invented machine for heading of pins; to hold to them, their exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within six calendar months from the date thereof.
By writ, &c.

Blunt.
21st April 1812.

3556. A grant unto Charles Fly Blunt, of Prujean Square, Old Bailey, in the city of London, engineer draftsman, for his invented certain improved arrangements of machinery for the improvements of ships fire hearths, and an extension of the same to other useful purposes; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within 6 calendar months from the date thereof; and also with a clause for supplying His Majesty's service with all such articles of the said invention at such prices as shall be required by the commrs of the navy for the time being.
By writ, &c.

Chappell.
28th April 1812.

3557. A grant unto Graham Chappell, of Arnold, in the county of Nottingham, gentn, for his invented lamp, on a new construction, and a new method of using oil and wick therein, combining more advantages to the public by affording light in a better and more advantageous way than by any method in any lamp hitherto known or made use, wch may be of great benefit and public utility to the trade of this kingdom; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within two calendar months from the date thereof.
By writ, &c.

MANTON. 30th April 1812.

3558. A grant unto JOSEPH MANTON, of Davies Street, Hanover Square, in the county of Middlesex, gun maker, for his invented improvements in guns and pistols; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within two calendar months from the date thereof; and also with a clause for supplying His Majesty's service and the elder brethren of the Trinity House with all such articles of the said invention as shall be settled by the master gen[l] of the ordnance for the time being. By writ, &c.

MASSEY. 30th April 1812.

3559. A grant unto EDWARD MASSEY, of Cross Heath, near Newcastle-under-Line, in the county of Stafford, nautical instrument maker, for his invented certain improvements in the construction of chronometers; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within six calendar months from the date thereof. By writ, &c.

THOMPSON. 30th April 1812.

3560. A grant unto JOHN THOMAS THOMPSON, of Long Acre, in the county of Middlesex, camp equipage maker, for his invented certain improvements in the making of iron bedsteads and testers of every description; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

DOLLMAN. 5th May 1812.

3561. A grant unto THOMAS FRANCIS DOLLMAN, of the parish of Saint James, in the city and liberty of Westminster, in the county of Middx, hatter, for his invented elastic round hat, that may be made out of beaver, silk, or other materials; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

SMART. 5th May 1812.

3562. A grant unto GEORGE SMART, of Ordnance Wharf, Westminster Bridge, in the county of Surrey, timber merchant, for his invented improved method of preparing timber, whereby the same is prevented from shrinking; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

BURROWS. 5th May 1812.

3563. A grant unto BASSETT BURROWS, of Birmingham, in the county of Warwick, hatter, for his invented improved method of manufacturing water proof hats; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

HIGGINSON. 9th May 1812.

3564. A grant unto HENRY HIGGINSON, of Wilson Street, in the parish of S[t] Luke and county of Middx, esq[r], that in consequence of a communication made to him by a certain foreigner residing abroad is become possed of a new

method or methods of propelling boats or vessels with the aid of steam or any other power; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed, and also in all our colonies and plantations abroad, for the term of fourteen years pursuant to the statute; with a clause to inroll the same within six calendar months from the date thereof; and also with a clause for supplying His Majesty's service with all such articles of the said invention as shall be required by the commrs of the navy for the time being. By writ, &c.

CONGREVE. 11th May 1812.

3565. A grant unto Colonel WILLIAM CONGREVE, of Cecil Street, in the county of Middx, for his invented and improved system of gun and carronade carriages; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within two calendar months from the date thereof; and also with a clause for supplying His Majesty's service with all such articles of the said invention as shall be required by the master general of the ordnance for the time being. By writ, &c.

EWINGTON. 14th May 1812.

3566. A grant unto HENRY EWINGTON, of the city of Bath, schoolmaster, for his invented instrument called "the navigators sector," by which any person is enabled to ascertain the difference of latitude, departure from the meridian, and distance sailed with the course; also to solve any problem geometrically that may be required, to shew the angles, hypotenuse, perpendicular, and base; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within two calendar months from the date thereof; and also with a clause for supplying His Majesty's service with all such articles of the said invention as shall be required by the master general of the ordnance for the time being. By writ, &c.

SHORTER. 19th May 1812.

3567. A grant unto EDWARD SHORTER, of Baron's Buildings, Blackfriars Road, in the county of Surrey, engineer, for his invented or found out "various improvements in the construction of tunnels and subterraneous passages"; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed, and also in all our colonies and plantations abroad, for the term of fourteen years pursuant to the statute; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

DIDOT. 26th May 1812.

3568. A grant unto LEGER DIDOT (son of Pierre Francois Didot the younger, of Paris, printer), late of Paris, but now of Two Waters, in the county of Hertford, gentleman, the original inventor of certain machines for making wove and laid paper, who communicated such inventions to John Gamble and to Henry Fourdrinier, and who is the foreigner referred to in the several Patents obtained by them in April 1801 and July 1806, for his invented certain further improvements upon the said machines for making both wove and laid paper; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within six calendar months from the date thereof. By writ, &c.

DIMMACK. 26th May 1812.

3569. A grant unto JEREMIAH DIMMACK, of Moorcroft Iron Works, in the parish of Bilston, in the county of Stafford, manufacturer of iron, for his invented improvements in *iron in all its various stages;* to hold to him, his

exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

HARDCASTLE. 26th May 1812.

3570. A grant unto WILLIAM HARDCASTLE, son of John Hardcastle, late of Derby, worsted spinner, decēd, that in consequence of a communication made to him by his said father a short time previous to his death, he is possēd of an invention of an improvement in cranes, to prevent accidents from the rapid descent of heavy bodies ; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

SCAMBLER. 2nd June 1812.

3571. A grant unto JOHN SCAMBLER, of Birmingham, in the county of Warwick, needle manufacturer, for his invented improvemts in the manufacturing of needles ; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed, for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within six calendar months from the date thereof. By writ, &c.

DIDOT. 2nd June 1812.

3572. A grant unto LEGER DIDOT, of Paddington, in the county of Middlesex, gentleman, for his invented certain improvemts in the method or means of illuminating apartments and other places, namely, in candlesticks to be used with candles manufactured in the usual manner or otherwise ; and in candles, to be burned with peculiar advantages in candlesticks so improved ; and also in snuffers to be used with such candlesticks ; to hold to him, his exs, ads, & asss, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed, and also in all our colonies and plantations abroad, for the term of 14 years pursuant to the statute ; with a clause to inroll the same within six calendar months from the date thereof. By writ, &c.

HARDACRE. 6th June 1812.

3573. A grant unto HENRY THOMAS HARDACRE, of Gloucester Place, New Road, in the parish of Saint Mary-le-bone, in the coy of Middx, esqr, for his invented a "composition to prevent to a very extensive degree the effects of friction" ; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

LEE. 9th June 1812.

3574. A grant unto JAMES LEE, of Frizo Water House, Enfield Wash, in the county of Middx, gentleman, for his invented certain new methods of preparing hemp and flax for their various uses, and by which also other vegetable substances may be rendered applicable to many of the purposes for which hemp and flax are used ; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed, and also in all our colonies and plantations abroad, for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within fifteen calendar months from the date thereof. By writ, &c.

NEEDHAM. 9th June 1812.

3575. A grant unto JAMES NEEDHAM, of Islington Green, in the county of Middx, corndealer, for his invented certain additions to and improvements on his patent portable apparatus for brewing beer from malt and hops ; to hold

to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within 6 calendar months from the date thereof. By writ, &c.

WEBB. 13th June 1812.

3576. A grant unto John WEBB, of Hoxton, in the county of Middx, weaver, for his invented method of making rugs, carpets, or any other article of furniture or dress consisting of carded wool, or cotton, silk, or any other substance capable of being carded and interwoven, to form a firm texture, or spun yarn, worsted, silk, cotton, or any other spun substance of any number of colours formed into a figure, in imitation of needle work, with or without the aforesaid carded wool or other carded substances, on the surface of any piece of goods woven by the common loom, without passing the threads through the reeds; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within four calendar months from the date thereof. By writ, &c.

SCHICK. 25th June 1812.

3577. A grant unto ANTHONY SCHICK, of Gracechurch Street, in the city of London, merchant, for his invented method or process of roasting coffee; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

ARIELL. 25th June 1812.

3578. A grant unto WILLIAM ARIELL, of the parish of St Ann, Limehouse, in the county of Middlesex, shipwright, for his invented certain improved machines or machinery for extracting corroded iron and other nails and bolts out from ships bottoms, masts, decks, and any other part thereof; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed, and also in all our colonies and plantations abroad, for the term of fourteen years pursuant to the statute; with a clause to inroll the same within two calendar months from the date thereof; and also with a clause for supplying His Majesty's service with all such articles of the said invention as shall be required by the commrs of the navy for the time being. By writ, &c.

BLACK. 25th June 1812.

3579. A grant unto BENJAMIN BLACK, of George Street, Grosvenor Square, in the county of Middx, carriage lamp maker, for his invented various improvements in the construction of coach, chariot, and other carriage lamps; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

COBB. 16th July 1812.

3580. A grant unto THOMAS COBB the younger, of Calthorp House, near Banbury, in the county of Oxford, paper maker, for his invented certain further improvements in the art of making paper in separate sheets; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed, and also in all our colonies and plantations abroad, for the term of fourteen years pursuant to the statute; with a clause to inroll the same within four calendar months from the date thereof. By writ, &c.

SIMPSON. 16th July 1812.

3581. A grant unto JOHN SIMPSON, of the parish of Sutton, in the county of York, merchant, for his invented method of cleaning, gunning, and scouring whalebone; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

SIMPSON. 16th July 1812.

3582. A grant unto JOHN SIMPSON, of Birmingham, in the county of Warwick, tin plate worker, for his invented certain improvements in the construction of lamps, which lamps, so improved, he denominates "Palmers Birmingham economic lamps"; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed, for the term of fourteen years pursuant to the statute; with a clause to inroll the same within 2 calendar months from the date thereof. By writ, &c.

SUTHERLAND. 16th July 1812.

3583. A grant unto JOHN SUTHERLAND, of Liverpool, in the county of Lancaster, coppersmith, for his invented improvement in the construction of copper stills and intermediate condensers; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed, and also in all our colonies and plantations abroad, for the term of fourteen years pursuant to the statute; with a clause to inroll the same within 2 calendar months from the date thereof. By writ, &c.

TOBIAS. 16th July 1812.

3584. A grant unto MORRIS TOBIAS, of Wapping, in the county of Middlesex, watch manufacturer, for his invented binnacle time piece or time keeper; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within six calendar months from the date thereof; and also with a clause for supplying His Majesty's service with all such articles of the said invention as shall be required by the commissioners of the navy for the time being. By writ, &c.

WALKER. 16th July 1812.

3585. A grant unto JAMES WALKER, of Maidstone Hill, in the county of Kent, gentleman, for his invented discovered improved tubular metallic vessel, and the application thereof to the preservation of fluids and various other things; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

MONZANI. 16th July 1812.

3586. A grant unto TEBALDO MONZANI, of Old Bond Street, in the co^{y} of Middx, musical instrument maker, for his invented certain improvements on clarinets and German flutes; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

MOTLEY. 22nd July 1812.

3587. A grant unto THOMAS MOTLEY, of the city of Bristol, ironmonger, for his invented improved method of manufacturing letters or characters for signs, shew boards, fronts of shops, houses, and other places, and for any other purpose of composing and indicating names or words in relief in a conspicuous manner; to hold to him, his exors, admors, and assigns, within that

part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

SMITH. 28th July 1812.

3588. A grant unto WILLIAM SMITH, of Lisle Street, in the county of Middx, gun maker, for his invented improved gun and pistol lock; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

BELLINGHAM. 28th July 1812.

3589. A grant unto JOHN BELLINGHAM, of Lovens, near Rostevor, in the county of Down, gentleman, for his invented certain improvements in the make and construction of axle trees for all description of carriages; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

OSBORN. 3rd August 1812.

3590. A grant unto HENRY OSBORN, of Bordesley, near Birmingham, for his invented new improved machine for turning and leveling various articles made of iron preparatory to welding and grinding; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

RAPSON. 5th August 1812.

3591. A grant unto JOHN RAPSON, of Penryn, in the county of Cornwall, millwright and machine maker, for his invented new or improved method of communicating a regular or irregular motion from one axle to another, placed at any angle, without the aid of an universal joint; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within two calendar months from the date thereof. By writ, & .

THOMPSON. 5th August 1812.

3592. A grant unto ROGER THOMPSON, of North Shields, in the county of Northumberland, shipwright, for his invented new mode of working two or more pumps for delivering water out of leaky ships, stone quarries, or mines of a moderate depth, employed in the operation only about half the usual manual force, and delivering nearly double the quantity of water; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

HUBBALL. KING. 6th August 1812.

3593. A grant unto THOMAS HUBBALL, of Clerkenwell Close, in the county of Middlesex, japanner, and W^m^ ROBERT WALE KING, of Union Court, Holborn Hill, in the city of London, tin plate worker, for their invented new and improved method of ornamenting articles japanned, painted, or sized, whether made of paper, wood, or any metallic substance, as also leather oil cloths for tables or floors, and wainscot or plaster walls or partitions; to

hold to them, their exors, admors, & assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

PARKER. 10th August 1812.

3594. A grant unto WILLIAM PARKER, of Whitechapel, in the county of Middx, colourman, for his invented discovered improvement in making or manufacturing of green paint; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

GOODMAN. 12th August 1812.

3595. A grant unto JAMES GOODMAN, of the town of Northampton, sadler, for his invented improved saddle, from running forward on a horse; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

RENSHAW. 14th August 1812.

3596. A grant unto JONAS RENSHAW, of the town and county of the town of Nottingham, linen and woolen draper, for his invented improved method of making spots in lace or net work; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within four calendar months from the date thereof. By writ, &c.

PAXON. 28th August 1812.

3597. A grant unto GEORGE PAXON, of Hampstead, in the county of Middx, upholder, for his invented and discovered certain improvements in the manufacture of a bedstead or bed frame, to relieve the bed ridden, the ruptured, and sufferers with broken limbs, gout, or any other affliction; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

' DIDOT. 25th Sept. 1812.

3598. A grant unto LEGER DIDOT, of Prospect Place, Edgeware Road, in the county of Middx, gentleman, that in consequence of a communication made to him by a certain foreigner residing abroad he is in possession of a certain improvement in moulds for making paper; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

EGG. 25th Sept. 1812.

3599. A grant unto DURS EGG, of the Strand, in the county of Middx, gun maker, for his invented certain improvements in the construction of fire arms and their locks, and also in the apparatus for trying and loading them; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with clause to inroll the same within two calendar months from

the date thereof; and also with a clause for supplying the elder brethren of the Trinity House and master general of the ordnance for the time being.
By writ, &c.

HANDFORD. 25th Sept. 1812.

3600. A grant unto THOMAS HANDFORD, of the Strand, cabinet maker, for his invented travelling trunk, on an entire new construction, which will preserve the property deposited therein in a far greater degree than any heretofore made or now in use; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

BUNN. 25th Sept. 1812.

3601. A grant unto JOHN BUNN, of Lower Halliford, in the county of Middx, iron hoop manufacturer, for his invented improved method of manufacturing of rods and hoops from old iron hoops; to hold to him, his exors, admors, and ass^{s}, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within two calendar months from the date thereof.
By writ, &c.

SERNY. 25th Sept. 1812.

3602. A grant unto JOHN BAPTIST SERNY, of King's Road, Chelsea, in the county of Middx, doctor of medicine, for his invented certain improvements in the methods already known and practised of raising sunken vessels or other matters, and in the machinery used for such purposes; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed, and also in all our colonies and plantations abroad, for the term of fourteen years pursuant to the statute; with a clause to inroll the same within six calendar months from the date thereof; and also with a clause for supplying His Majesty's service with all such articles of the said invention as shall be required by the master general of the ordnance or commissioners of the navy for the time being. By writ, &c.

DEAKIN. 23rd October 1812.

3603. A grant unto FRANCIS DEAKIN, of Deritend Mills, in the county of Warwick, wire drawer, for his invented new method of making knife, scissors, and various other cases or sheaths; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

PARDOE. 23rd October 1812.

3604. A grant unto THOMAS PARDOE, of Newgate Street, in the city of London, carpet manufacturer, for his invented new method of working or making carpeting, denominated Kidderminster or Scotch carpeting, in pieces of different widths, exceeding 18 inches wide, whereby a complete pattern, figure, or flower is made to extend the whole width of the piece, and may be worked or made as a drop pattern or otherwise; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

LEWIS. 31st October 1812.

3605. A grant unto JOHN LEWIS, of Half Moon Street, Piccadilly, in the county of Middx, surgeon, for his invented improvem^{ts} on horse shoes, and in shoeing horses; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our

dominion of Wales and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within six calendar months from the date thereof. By writ, &c.

CONGREVE. 31st October 1812.

3606. A grant unto COL^{l} W^{m} CONGREVE, of Cecil Street, in the city of Westminster and county of Middx, for his invented improved system of securing buildings, towns, dock yards, and ships from fire, combining a power for the raising of water to the tops of buildings and for other general purposes ; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within two calendar months from the date thereof ; and also with a clause for supplying His Majesty's service with all such articles of the said invention as shall be required by the master general of the ordnance and comm^{rs} of the navy for the time being. By writ, &c.

HOWARD. 31st October 1812.

3607. A grant unto EDWARD CHARLES HOWARD, of Westbourn Green, in the county of Middx, for his invented process for preparing and refining sugars ; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within 6 calendar months from the date thereof. By writ, &c.

NOUAILLE. 31st October 1812.

3608. A grant unto PETER NOUAILLE, of Greatness, near Seven Oaks, in the county of Kent, for his invented method of saving water in mechanical and hydraulic purposes ; to hold to him, his ex^{s}, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within 6 calendar months from the date thereof. By writ, &c.

COOK. 31st October 1812.

3609. A grant unto BENJAMIN COOK, of Birmingham, in the county of Warwick, gilt toy manufacturer, for his invented improved method of making or constructing window blinds, fire screens, chimney pieces, sashes, doors, picture frames and frames for dressing, pier, and other glasses, and various other useful and ornamental articles and things ; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within 6 calendar months from the date thereof. By writ, &c.

CASLON. 31st October 1812.

3610. A grant unto WILLIAM CASLON the yo^{r}, of Dorset Street, Salisbury Square, in the city of London, letter founder, for his invented improved printing type ; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within 6 calendar months from the date thereof. By writ, &c.

BRAMAH. 31st October 1812.

3611. A grant unto JOSEPH BRAMAH, of Pimlico, in the county of Middlesex, engineer, for his invented certain improvements in the method of constructing, laying down, and organizing the main and other pipes for the conveyance of water for the supply of the metropolis of London, and other cities, towns, and places where public water works are adopted; and applying the water so conveyed to a variety of other useful purposes ; to hold to him, his exors, admors,

and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within 6 calendar months from the date thereof.

By writ, &c.

SHEFFIELD. 31st October 1812.

3612. A grant WILLIAM EVETTS SHEFFIELD, of Somers Town, in the county of Middx, gentleman, for his invented improved apparatus and furnaces for separating metallic and other substances from their ores, or whatever matters may be combined, united, or mixed with them, and in the application of the same ; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within six calendar months from the date thereof. By writ, &c.

LEA. 31st October 1812.

3613. A grant unto THOMAS LEA, of Kidderminster, in the county of Worcester, carpet manufacturer, for his invented certain improvements in the making of carpets ; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed, and also in all our colonies and plantations abroad, for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

SALMON. 31st October 1812.

3614. A grant unto ROBERT SALMON, of Woburn, in the county of Bedford, surveyor, for his invented improved guards and shades for windows, whereby security is obtained and the sun and weather more certainly kept off than has hitherto been effected by any other shade or blind ; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within two calendar months from the date thereof.

By writ, &c.

JUKES. 7th Nov. 1812.

3615. A grant unto EDWARD JUKES, of Walworth, in the county of Surrey, gentleman, for his invented improvement on shears for pruning of trees, gathering grapes and other fruit, and for cutting off such limbs as may be injured, and thereby more easily destroy the insects occasioned by blight, which he denominates an averruncator ; to hold to him, his exors, admors, and ass^{s}, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

BRAMAH. 26th Nov. 1812.

3616. A grant unto JOSEPH BRAMAH, of Pimlico, in the county of Middlesex, engineer, for his invented certain improvem^{ts} in the construction of various parts of wheeled carriages, one of which improvements is applicable to other machinery where a rotatory motion is necessary ; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within two calendar months from the date thereof.

By writ, &c.

Passed by L^{d} Chancellor's order, dated 26th Nov^{r} 1812.

OSBORN. 28th Nov. 1812.

3617. A grant unto HENRY OSBORN, of Bordesley, near Birmingham, in the county of Warwick, for his invented new method of wilding and making of various kinds of cylinders of iron and steel ; to hold to him, his exors,

admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within two calendar months from the date thereof.

By writ, & .

ROGERS. 28th Nov. 1812.

3618. A grant unto THOMAS ROGERS, of the city of Dublin, esqr, for his method of constructing wheels for carriages; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within four calendar months from the date thereof.

By writ, &c.

PRICE. 4th Dec. 1812.

3619. A grant unto CHARLES PRICE, of the Strand, in the county of Middx, umbrella maker, for his invented parosal and an umbrella, on an improved construction, which he denominates "the improved solumbra"; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within two calendar months from the date thereof.

By writ, &c.

SMITH. 9th Dec. 1812.

3620. A grant unto SAMUEL SMITH, of Coventry, in the county of Warwick, watchmaker, for his invd impd escapement for watches, by an invention calculated to make them beat dead seconds, by means of clock palletts attached to a lever operating on a vertical wheel; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

FOX. LEAN. 10th Dec. 1812.

3621. A grant unto ROBERT WERE FOX the younger, of Falmouth, in the county of Cornwall, merchant, and JOEL LEAN the younger, of the parish of Budock, near Falmouth aforesaid, gentleman, for their invented certain improvements on steam engines and the apparatus needful or expedient to be used with the same; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed, and also in all our colonies and plantations abroad, for the term of fourteen years pursuant to the statute; with a clause to inroll the same within six calendar months from the date thereof. By writ, &c.

Passed by Lord Chancellor's order, dated 9th Decr 1812.

SPENCER. 14th Dec. 1812.

3622. A grant unto JOHN SPENCER, of Port Ballantias, in Ireland, salt manufacturer, for his invented addition to or improvement in the setting up with salt pans; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within six calendar months from the date thereof. By writ, &c.

HAMILTON. 16th Dec. 1812.

3623. A grant unto JOSEPH HAMILTON, of the city of Dublin, gentn, for his invented new methods of applying well known principles in the construction and formation of earthenwares; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed, and also in all our colonies and plantations abroad, for the term of fourteen years pursuant to the statute; with a clause to inroll the same within six calendar months from the date thereof. By writ, &c.

HANBURY. 19th Dec. 1812.

3624. A grant unto JOHN HANBURY the elder, of Bartletts Buildings, Holborn, in the city of London, warehouseman, for an improved method of weaving carpets, commonly called Scotch or Kidderminster, by which a new and firmer texture and larger patterns can be produced than by any other method hitherto known; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

ROGERS. 19th Dec. 1812.

3625. A grant unto THOMAS ROGERS, of the city of Dublin, esqr, for his invented method of applying manual powers to the crane pile driver, and other machinery; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within six calendar months from the date thereof. By writ, &c.

FISHER. 19th Dec. 1812.

3626. A grant unto JOHN FISHER, of Oundle, in the county of Northampton, ironmonger, for his invented article for preventing chimnies smoaking, which he has named a smoak conductor, and which may be manufactured either in cast iron, wrought iron, copper, brass, and tin, or any other metallic substance; to hold to him, his exors, admors, & assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

HEFFER. 19th Dec. 1812.

3627. A grant unto GEORGE HEFFER, of Carlisle Place, Lambeth, in the county of Surrey, coach maker, for his invd improvement in the construction of four wheel carriages; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

MORGAN. 19th Dec. 1812.

3628. A grant unto JOHN MORGAN, of York Street, in the city of Dublin, doctor of medicine, for his invented new power, applicable to the propelling of vessels and boats of every description through the water, and also to the pumping of them; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed, and also in all our colonies and plantations abroad, for the term of fourteen years pursuant to the statute; with a clause to inroll the same within six calendar months from the date thereof; and also with a clause for supplying His Majesty's service with all such articles of the said invention as shall be required by the commissioners of the navy for the time being. By writ, &c.

ESCHAUZIER. JENNINGS. 19th Dec. 1812.

3629. A grant unto JACOB SAMUEL ESCHAUZIER, of Gibraltar, esqr, and HENRY CONSTANTINE JENNINGS, of Marchmont Street, Russell Square, in the county of Middlesex, gentn, for their invented new mode of manufacturing, using, and applying certain articles, by means of which mariners and other persons may be saved from drowning; to hold to them, their exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed, and also in all our colonies and plantations abroad, for the term of fourteen years pursuant to the statute; with a clause to inroll the same within

six calendar months from the date thereof; and also with a clause for supplying His Majesty's service with all such articles of the said invention as shall be required by the comm^rs of the navy for the time being. By writ, &c.

Lewis. 19th Dec. 1812.

3630. A grant unto John Lewis, of Llanelly, in the county of Carmarthen, assayer of metals, for his invented certain improv^ts in the art of smelting copper ore; to hold to him, his ex̃ors, adm̃ors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within six calendar months from the date thereof. By writ, &c.

Barker. 21st Dec. 1812.

3631. A grant unto John Barker, of S^t Mary Street, Portsmouth, in the county of Southampton, sword cutler and surgical instrument maker, for his invented and brought to perfection a new instrument of great practical utility to surgeons, namely, an instrument whereby they may with the utmost facility stay and prevent the hæmorrhage of the subclavian artery safely in cases, when necessary amputate the arm at and from the shoulder joint; to hold to him, his ex̃ors, adm̃ors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within two calendar months from the date thereof; and also with a clause for supplying His Majesty's service with all such articles of the said invention as shall be required by the commander in chief for the time being. By writ, &c.

Chapman. Chapman. 30th Dec. 1812.

3632. A grant unto William Chapman, of Murton House, in the county of Durham, civil engineer, and Edward Walton Chapman, of Wellington Ropery, in the county of Northumberland, rope maker, for their invented method or methods of facilitating the means and reducing the expence of carriage on railways and other roads; to hold to them, their ex̃ors, ad^s, & ass^s, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, & town of Berwick-upon-Tweed for the term of 14 y^rs pursuant to the statute; with a clause to inroll the same within four calendar months from the date thereof. By writ, &c.

Raynor. 1st Jan. 1813.

3633. A grant unto Joseph Raynor, of Sheffield, in the county of York, cotton spinner, for his invented improved machinery for roving and spinning cotton, silk, flax, and wool; to hold to him, his ex̃ors, adm̃ors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within four calendar months from the date thereof.

By writ, &c.

Wilkinson. 5th Jan. 1813.

3634. A grant unto William Wilkinson, of Grimesthorpe, in the parish of Sheffield and county of York, shearsmith, for his invented or known of making horse shears, wool shears, and glovers shears; to hold to him, his ex̃ors, adm̃ors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

Ryland. 15th Jan. 1813.

3635. A grant unto Thomas Ryland, of Birmingham, in the county of Warwick, plater, for his invented fender for fire places, on a new construction; to hold to him, his ex̃ors, adm̃ors, and assigns, within that part of our united

kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

MORRIS. 15th Jan. 1813.

3636. A grant unto JOHN SHORTER MORRIS, of N° 16, Market Street, Kennington, in the county of Surrey, mechanic, for his invented machine or engine, upon a new and superior principle, which contains a new way for a man or men to his or their power and strength, to be used as a crane or to give a rotary motion to any machine, engine, or mill work ; to hold to him, his exors, admors, & assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years, and also in all our colonies and plantations abroad, pursuant to the statute; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

DICKINSON. 15th Jan. 1813.

3637. A grant unto ROBERT DICKINSON, of Great Queen Street, Lincolns Inn Fields, in the county of Middx, esq^r^, for his invented imp^t^ in vessels for containing liquids ; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within six calendar months from the date thereof. By writ, &c.

BUNDY. 15th Jan. 1813.

3638. A grant unto WILLIAM BUNDY, of Camden Town, in the county of Middx, mathematical instrument maker, for his inv^d^ new manufacture of lint; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within six calendar months from the date thereof. By writ, &c.

BUSH. 15th Jan. 1813.

3639. A grant unto MATTHEW BUSH, of Longford, in the county of Middx, calico printer, for his inv^d^ improvements on a machine for printing calicoes ; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called Eng^d^, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within six calendar months from the date thereof. By writ, &c.

ALLEN. 15th Jan. 1813.

3640. A grant unto WILLIAM ALLEN, of the Curtain Road, in the county of Middx, general factor, for his invented improvement on machinery to be worked by wind ; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within six calendar months from the date thereof. By writ, &c.

CAWKWELL. 15th Jan. 1813.

3641. A grant unto RICHARD CAWKWELL, of Newark-upon-Trent, in the county of Nottingham, miller, for his invented improved machine for washing, cleansing, & scouring linen, woollen goods, and other articles ; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

GRÖLL. DIZI. 22nd Jan. 1813.

3642. A grant unto CHARLES GRÖLL, of Leicester Place, Leicester Square, in the county of Middx, and FREDERICK DIZI, of Park Place, Baker Street North, in the said county of Middlesex, for their invented certain improvements on harps; to hold to them, their exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within 6 calendar months from the date thereof. By writ, &c.

Passed by the Lord Chancr's order, dated 20th Jany 1813.

BRUNEL. 26th Jan. 1813.

3643. A grant unto MARC ISAMBARD BRUNEL, of Chelsea, in the county of Middx, civil engineer, for his invented certain improvements in saw mills; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

CROW. 30th Jan. 1813.

3644. A grant unto FRANCIS CROW, of Feversham, in the county of Kent, watchmaker and silversmith, for his invented certain improvements in the mariners compass, or boat compass; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within six calendar months from the date thereof; and also with a clause for supplying His Majesty's service with all such articles of the said invention as shall be required by the commrs of the navy for the time being. By writ, &c.

DUNKIN. 30th Jan. 1813.

3645. A grant unto ROBERT DUNKIN, of the town of Penzance, in the county of Cornwall, for his invented methods for lessening the consumption of steam and fuel in working fire engines, and also methods for the improvemt of certain instruments useful for mining or other purposes; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within six calendar months from the date thereof. By writ, &c.

ALEXANDER. 4th Feb. 1813.

3646. A grant unto GEORGE ALEXANDER, watchmaker, in Leith, for his invented improved mode of suspending the card of the mariners compass, being on a principle entirely new; to hold to him, his exors, admors, & assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within six calendar months from the date thereof; and also with a clause for supplying His Majesty's service with all such articles of the said invention as shall be required by the commissioners of the navy for the time being. By writ, &c.

BROUGHTON. 4th Feb. 1813.

3647. A grant unto WILLIAM BROUGHTON, of Rose Court, Tower Street, in the city of London, joiner, for his invented method of making a peculiar species of canvas, which may be used more advantageously for military and other purposes; to hold to him, his exs, ads, & ass, within that part of our united kingdom of Gt Bn & Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within 2 calendar months

from the date thereof; and also with a clause for supplying His Majesty's service with all such articles of the said invention as shall be required by the commander in chief or commrs of the navy for the time being. By writ, &c.

EWART. 20th Feb. 1813.

3648. A grant unto PETER EWART, of Manchester, in the county of Lancaster, cotton manufacturer, for his invented working weaving looms by machinery, which invention he believes will be of general benefit and advantage; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

HAMILTON. 20th Feb. 1813.

3649. A grant unto JOSEPH HAMILTON, of the city of Dublin, gent., for his invented certain new methods of constructing and connecting earthen building materials; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed, and also in all our colonies and plantations abroad, for the term of fourteen years pursuant to the statute; with a clause to inroll the same within six calendar months from the date thereof. By writ, &c.

PLIMLEY. 20th Feb. 1813.

3650. A grant unto CHARLES PLIMLEY, of Birmingham, in the county of Warwick, manufacturer, for his invented certain means or methods of working steel or iron, or steel joined with iron, in or into taper forms, whether round or square or of any other figure, in the cross sections thereof, for the purpose of making files and various other articles; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within 2 calendar months from the date thereof. By writ, &c.

ROBERTS. 20th Feb. 1813.

3651. A grant unto JOHN ROBERTS, of Macclesfield, in the county of Chester, cotton spinner, for his invented method of contentrating or reducing into small compass such parts of malt and hops as are requisite in making ale, beer, and porter; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

SMITH. 24th Feb. 1813.

3652. A grant unto JOHN SMITH, of Coseley, in the county of Stafford, iron and coal master, for his invented certain improvements in the construction and manufacture of iron and other chains, whereby a considerable expence will be saved in the making thereof; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within six calendar months from the date thereof. By writ, &c.

WHITE. 3rd March 1813.

3653. A grant unto JOHN WHITE, of Princes Street, Soho, in the county of Middx, for his invented machine for cooking without wood or coal; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed, and also in all our colonies and plantations abroad, for the term of fourteen years pursuant to the statute; with a clause to inroll the same within two calendar month from the date thereof. By writ, &c.

THOMSON. 3rd March 1813.

3654. A grant unto JAMES THOMSON, of Primrose Hill, near Clithero, in the county of Lancaster, calico printer, for his having obtained and brought into England, and is now in possŏn of a certain invⁿ made in France or in some other foreign country, a new method of producing patterns on cloth previously dyed turkey red, and made of cotton, or linen, or both ; to hold to him, his exors, admors, and assˢ, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute ; with a clause to inroll the same within 2 calendar months from the date thereof. By writ, &c.

DELAHANTE. 3rd March 1813.

3655. A grant unto ALEXIS DELAHANTE, of Great Marlborough Street, in the parish of Sᵗ James, Westminster, for a certain invention, communicated to him by a learned foreigner residing in parts abroad, of the production or making of a green colour, and the application thereof to various useful purposes; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within six calendar months from the date thereof. By writ, &c.

GREEN. 3rd March 1813.

3656. A grant unto RICHARD GREEN, of Lisle Street, Leicester Square, in the county of Middlesex, sadlers ironmonger, for his invented stirrup, with a spring in the eye and a new invented spring bottom, for the safety of persons riding on horseback, and to prevent their being dragged in the stirrup ; to hold to him, his exors, admors, & assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within six calendar months from the date thereof. By writ, &c.

COCHRANE. 3rd March 1813.

3657. A grant unto Sir THOMAS COCHRANE, commonly called Lord Cochrane, for his invented method or methods of more compleatly lighting cities, towns, and villages ; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within six calendar months from the date thereof. By writ, &c.

HAUCK. 3rd March 1813.

3658. A grant unto FREDERICK HAUCK, of High Holborn, in the county of Middlesex, musical instrument maker, for his invented improvements of musical instruments ; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within two months from the date thereof. By writ, &c.

STOPFORD. 3rd March 1813.

3659. A grant unto JOSHUA STOPFORD, of Belford, in the county of Northumberland, clerk, for his invented mangle, intended to be called the complete family accommodation mangle, for mangling linen and other clothes; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within six calendar months from the date thereof. By writ, &c.

MITCHELL. 3rd March 1813.

3660. A grant unto WILLIAM MITCHELL, surgeon, late in Ayr, now in Edinburgh, for his very important discovery in the manufacture of soap ; to hold to him, his exors, admors, and assigns, within that part of our united

kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

COOMBS. 9th March 1813.

3661. A grant unto BENJAMIN MERRIMAN COOMBS, of Fleet Street, in the city of London, ironmonger, for his invented improved apparatus for the cooking or dressing of victuals, and possessing other advantages, in lessening the consumption of fuel, and otherwise; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

DUNCAN. 13th March 1813.

3662. A grant unto GEORGE DUNCAN, of Liverpool, in the county palatine of Lancaster, rope maker, for his invented several improvements in the different stages of rope making, and in machinery adapted for such improvements; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within four calendar months from the date thereof; and also with a clause for supplying His Majesty's service with all such articles of the said invention as shall be required by the commrs of the navy for the time being. By writ, &c.

RENTZSCH. 13th March 1813.

3663. A grant unto SIGISMUND RENTZSCH, of George Street, St James's Square, in the county of Middx, watchmaker, for his invented hydrostatical or pneumatical chronometer; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within six calendar months from the date thereof. By writ, &c.

DEACON. 13th March 1813.

3664. A grant unto BENFORD DEACON, of Cross Street, Islington, in the county of Middx, gentn, for his invented improved method of applying air for domestic and manufacturing purposes, and of employing therein improved fire places and bricks; to hold to him, his exors, admors, & assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within six calendar months from the date thereof. By writ, &c.

KITTOE. 13th March 1813.

3665. A grant unto ROBINSON KITTOE, of Woolwich, in the county of Kent, gentleman, for his invented double coned revolving axle for carriages; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within six calendar months from the date thereof. By writ, &c.

HEDLEY. 13th March 1813.

3666. A grant unto WILLIAM HEDLEY, of Wylam, in the county of Northumberland, coal viewer, for his invented certain mechanical means of conveying carriages laden with coals, minerals, merchandize, and other things; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

EDWARDS. WILLIAMS. 15th March 1813.

3667. A grant unto RICHARD EDWARDS, of the parish of Budock, in the county of Cornwall, doctor of physic, and WILLIAM WILLIAMS, of the borough of Penryn, in the same county, surgeon, for their invented certain process for extracting arsenic from any of the ores or other substances in which it is contained in a purer state than it is at present procured in this kingdom ; to hold to them, their exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

DODD. 16th March 1813.

3668. A grant unto GEORGE DODD, of South Villa, Wandsworth, in the county of Surrey, engineer, for his invented certain improvements to umbrellas, which renders the same more portable and convenient ; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

KING. 22nd March 1813.

3669. A grant unto WILLIAM ROBERT WALE KING, of Union Court, Holborn Hill, in the city of London, tin plate worker, for his invented certain improvements in the application of heat to the purposes of boiling water and other fluids, and to other useful purposes, and of the apparatus of performg the same ; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within 6 calendar months from the date thereof. By writ, &c.

CONGREVE. 23rd March 1813.

3670. A grant unto Coll WM CONGREVE, of Cecil Street, in the city of Westminster and county of Middx, for his invented certain improved mode of constructing the locks & sluices of canals, basons, or docks, and generally for the transportation of floating bodies from one level to another ; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

BRUNTON. 26th March 1813.

3671. A grant unto THOMAS BRUNTON, of Coopers Row, Crutched Friars, in the city of London, merchant, for his discovered certain improvements in the construction of making or manufacturing of ships anchors and windlasses, and chain cables or moorings ; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause for supplying His Majesty's service with all such articles of the said invn as shall be required by the commrs of the navy for the time being ; and also with a clause to inroll the same within six calendar months from the date thereof. By writ, &c.

HUGHES. 27th March 1813.

3672. A grant unto JOHN HUGHES, of Poplar, in the county of Middx, excavator, for his invented improved method or apparatus for raising gravel or earth from the bottom of rivers and pits, and for screening and delivering the same into barges or other receptacles ; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland

called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

HEATHCOAT. 29th March 1813.

3673. A grant unto JOHN HEATHCOAT, of Loughborough, in the county of Leicester, lace manufacturer, for his invd certain improvements on and additions to a machine for the making or manufacturing of bobbin lace, or lace nearly resembling foreign lace, and which he obtained a Patent dated 29th of March 1809; and that such improvements will make the machine more perfect and complete ; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

THOMAS. 30th March 1813.

3674. A grant unto DAVID THOMAS, of the parish of Saint Mary, Redcliff, in the city and county of Bristol, brightsmith and ivory black manufacturer, for his invented method for burning animal bones for the purpose of extracting the greasy or fat property therefrom; and likewise for extracting the spirituous quality therefrom ; and for reducing the remaining or dry parts of bones into a substance sufficiently prepared for being ground into ivory black; all which objects are obtained by one process only, namely, burning by fire; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed, and also in all our colonies and plantations abroad, for the term of fourteen years pursuant to the statute; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

HALL. HALL. 30th March 1813.

3675. A grant unto ROBERT HALL and SAMUEL HALL, of Basford, in the county of Nottingham, bleachers and cotton spinners, for their invented machine for the dressing, getting up, or finishing framework knitted goods, manufactured from the stocking frame, whr consisting of hose, socks, caps, mits, gloves, or of any other kind or description whatever, and whr made of cotton, lambs wool, Vigonia wool, silk, mohair, or any other vegetable or animal substance whatsr, or any intermixture of these substances one with another; to hold to them, their exors, admors, and assigns, within that part of our united kingdom of Great Britain & Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

EGG. 30th March 1813.

3676. A grant unto JOSEPH EGG, of Charing Cross, in the county of Middx, for his invented method of applying and improving locks ; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within two calendar months from the date thereof ; and also with a clause for supplying His Majesty's service with all such articles of the said invention as shall be required by the master general of the ordnance for the time being. By writ, &c.

BENNETT. 7th April 1813.

3677. A grant unto JOHN BENNETT, of the parish of St Michael, in the city of Bristol, cabinet maker, for his invented metal dovetail joint, applicable to portable and other furniture, and any kind of framework requiring strength and durability ; to hold to him, his exors, admors, & assigns, within that part of our united kingdom of Great Britain and Ireland called England, our

dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within two calendar months from the date thereof. By writ, & .

TIMMINS. 7th April 1813.

3678. A grant unto JAMES TIMMINS, of Birmingham, in the county of Warwick, manufacturer of sashes and hothouse lights with metal bars, for his invd impd method of making and erecting hothouses and all horticultural buildings ; and also the making of pine pits, cucumber lights, sashes, and church windows ; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, & town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

LEWIS. 13th April 1813.

3679. A grant unto ROBERT LEWIS, of Birmingham, brass founder, for his method of making of brass (or of any other metal of which the component parts are copper and zinc), chimney pieces or chimney piece frames, plain or ornamented, either cast or of rolled metal, mounted on any other substance of which the outward mouldings or frame and inward pilasters shall be composed of such metal ; to hold to him, his exors, admors, and ass^{s}, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

PLINTH. 13th April 1813.

3680. A grant unto CHARLES PLINTH, of Temple Street, in the city of London, gentn, that in consequence of a communication made to him by certain foreigners residing abroad, is become possed of various improvements in the construction of a vessel, machine, cylinder, reservoir, or fountain, wch he denominates "the regency portable fountain," used in the manufacture of water simply impregnated with fixed air or carbonic acid, and of artificial mineral and soda waters, and in the delivery of the same therefrom, and also in the delivery of cyder, perry, and other liquids ; to hold to him, his exors, admors, and ass^{s}, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed, and also in all our colonies and plantations abroad, for the term of fourteen years pursuant to the statute; with a clause to inroll the same within six calendar months from the date thereof. By writ, &c.

RANGELEY. 13th April 1813.

3681. A grant unto JOHN RANGELEY, of Oakwell Hall, near Leeds, in the county of York, gentleman, for his new method of constructing and working engines or machines for lifting or raising of weights, turning of machinery of all descriptions, draw^{3} carriages on railways, and capable of being applied to all purposes where mechanical power is required ; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within six calendar months from the date thereof. By writ, &c.

CAMPION. 13th April 1813.

3682. A grant unto ROBERT CAMPION, of Whitby, in the county of York, merchant, for his improved method of making and manufacturing double canvas and sail cloth with hemp and flax, or either of them, without any starch whatever ; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within two calendar months from

the date thereof; and also with a clause for supplying His Majesty's service with all such articles of the said invention as shall be required by the commrs of the navy for the time being. By writ, &c.

Busby. 14th April 1813. 3683. A grant unto Charles Augustin Busby, of New Millman Street, in the county of Middx, architect, for his invented certain methods of constructing locks of canals, docks, & navigations, & of constructing improvements for locks of canals, docks, and navigations already existing, by means of w̃ch the loss of any quantity less than the whole quantity of the water now lost, when vessels of any description pass locks constructed after any of the present known methods, will be prevented; to hold to him, his ex̃ors, adm̃ors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

Coupland. Coupland. 28th April 1813. 3684. A grant unto Richard Coupland and Frederick Coupland, both of Leeds, in the county of York, manufacturers, for their invented manufacture of shawls, cords, Brunswicks, ribbed and plain kerseymeres, and mill'd cloths from mixtures of animal and vegetable wool prepared and spun into yarn, without oil; to hold to them, their ex̃ors, adm̃ors, & assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

Hamilton. 28th April 1813. 3685. A grant unto Joseph Hamilton, of the city of Dublin, gentleman, for his invented improvements on or additions to machines for making bricks, tiles, and earthen wares; to hold to him, his ex̃ors, adm̃ors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within six calendar months from the date thereof. By writ, &c.

Mead. 28th April 1813. 3686. A grant unto Thomas Mead, of Scott Street, in the parish of Sculcoates, in the county of York, engineer, for his invented endless chain, of a peculiar construction, with appendages, which, with the assistance of other mechanical apparatus, is applicable to a variety of other purposes; to hold to him, his ex̃ors, adm̃ors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years, and also in all our colonies and plantations abroad, pursuant to the statute; with a clause to inroll the same within four calendar months from the date thereof; and also with a clause for supplying His Mãty's service with all such articles of the said invention as shall be required by the principal office of the ordnance for the time being. By writ, &c.

Whitfield. 28th April 1813. 3687. A grant unto Samuel Whitfield, of Birmingham, brazier, for his invented impd mountings for culinary and other utensils; to hold to him, his ex̃ors, adm̃ors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

Evans. 1st May 1813. 3688. A grant unto Samuel Evans, of Brynrywen, in the parish of Wrexham, in the county of Denbigh, farmer, for his invented certain improvemts in the working or giving motion to mill work and machinery, applicable to rais-

ing or drawing water from mines, and other useful purposes ; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within six calendar months from the date thereof. By writ, &c.

WALKER. 5th May 1813.

3689. A grant unto THOMAS WALKER, of the city of Norwich, machine maker, for his invented certain improvements in the construction of a horizontal windmill, that may be applied to all sorts of machinery that is to work by wind ; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within six calendar months from the date thereof. By writ, &c.

BRODERIP. 5th May 1813.

3690. A grant unto CHARLES BRODERIP, of Great Portland Street, in the county of Middx, gent^n, for his inv^d improvement in vessels to be used for heating fluids and other substances ; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed, and also in all our colonies and plantations abroad, for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within six calendar months from the date thereof. By writ, &c.

REID. 5th May 1813.

3691. A grant unto WILLIAM REID, of Foot Dee, Aberdeen, in Scotland, for his inv^d instrument, constructed on unerring principle, for expeditiously calculating to a certainty, without referring to tables of any kind (meridional tables excepted), the various cases or problems in navigation, practical mathematics and trigonometry, heights and distances, and altogether embracing every science depending on angles; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed, and also in all our colonies & plantons abroad, for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within two calendar months from the date thereof; and also with a clause for supplying His Majesty's service with all such articles of the said invention as shall be required by the master general of the ordnance or comm^rs of the navy for the time being. By writ, &c.

DAKING. 8th May 1813.

3692. A grant unto THOMAS DAKING, of Bocking, in the county of Essex, tanner, for his invented method of heating liquors for the manufactures of leather, and other manufactures ; to hold to him, his exors, admors, and ass^s, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

ERAT. 8th May 1813.

3693. A grant unto JACOB ERAT, of Wardour Street, in the county of Middx, harp maker, for his inv^d imp^t in the construction of a pedal harp ; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

FISHER. COOKE. 11th May 1813.

3694. A grant unto JOHN FISHER, of Mill End, in the county of Buckingham, and LAYTON COOKE, of the Haymarket, in the city of Westminster, land agent, for their invented improved gaiters, and modes of fastening the

same; to hold to them, their exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within six calendar months from the date thereof. By writ, &c.

Bullock. Boaz. 15th May 1813.

3695. A grant unto William Bullock, of Newman Street, in the county of Middx, locksmith and brass founder, and James Boaz, of Glasgow, in Scotland, engineer, for their invented improved machines, instruments, or contrivances, applicable to doors and window shutters, for preventing them from being broken open, and such doors from being violently forced in by the wind; to hold to them, their exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

Cowper. 20th May 1813.

3696. A grant unto Edward Cowper, of the parish of St Mary, Newington Butts, in the county of Surrey, ironmonger, for his invented improvements on machines commonly used for cutting the edges of paper and books; to hold to him, his exors, admors, and ass^{s}, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within six calendar months from the date thereof. By writ, &c.

Willcox. 22nd May 1813.

3697. A grant unto Thomas Willcox, of the city of Bristol, mason, for his invented machine for the prevention and cure of smoaky chimnies, which may be termed smoak reverberator, consisting of a hollow cap, which may be constructed either of copper or any other metallic substance, or with clay, with a funnel and contrivance for voiding the smoak, to be fixed on the top of a chimney stack, with two or more courses of brick work, and having for its object to prevent the smoak arising from the fire in the grate being driven back into the room, as well by excluding all winds from the orifice of the chimney, as by promoting the draft of the chimney by means of a continual accumulation of rarefied air in the cavity of the cap; to hold to him, his exors, admors, and ass^{s}, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

Jenkins. 22nd May 1813.

3698. A grant unto William Jenkins, of Birmingham, in the county of Warwick, brass founder, for his invented improvement in the method of manufacturing socket castors, used with or affixed to cabinet and other furniture and things; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

Thackray. 22nd May 1813.

3699. A grant unto John Thackray, of Archer Street, Windmill Street, in the county of Middlesex, cabinet maker, for his invented method of inclosing a seat in a portable stool stick; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within six calendar months from the date thereof. By writ, &c.

BRUNTON. 22nd May 1813.

3700. A grant unto WILLIAM BRUNTON, of Butterley Iron Works, in the parish of Pentrich, in the county of Derby, engineer, for his invented method and machinery for propelling or drawing carriages upon roads or railways, also boats, barges, or vessels upon canals or navigations, by means of certain levers or legs, alternately or conjointly acting upon such roads, railways, canals, or navigations, or upon machinery attached thereto; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

STOCKER. 25th May 1813.

3701. A grant unto WILLIAM STOCKER, of Martock, in the county of Somerset, gunsmith, for his invd cock, made of metal and wood, for draws liquor from casks, which produced a stop superior to that which is effected by common cocks, and prevents the liquor from coming in contact with the metals, except when the liquor is in the act of being drawn and is running from the cask; to hold to him, his exs, ads, & asss, within that part of our united kingdom of Gt Bn & Id called Engd, our dominion of Wales, & town of Berwick-upon-Tweed for the term of fourteen yrs pursuant to the statute; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

BRODERIP. 31st May 1813.

3702. A grant unto CHARLES BRODERIP, of Great Portland Street, Mary-le-bone, in the county of Middx, gentn, for his invented improved mode of raising and lowering vessels from one level to another level of navigable waters; to hold to him, his exors, admors, and asss, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years; with a clause to inroll the same within 6 calendar months from the date thereof. By writ, &c.

OLIPHANT. 31st May 1813.

3703. A grant unto JAMES OLIPHANT, of Cockspur Street, Charing Cross, in the county of Middx, hat manufacturer, for his invented new method of making or manufacturing military caps; to hold to him, his exors, admors, and asss, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within two calendar months from the date thereof; and also with a clause for supplying His Majesty's service with all such articles of the said invention as shall be required by the commander in chief of His Majesty's land forces in Great Britain for the time being. By writ, &c.

GRANT. 31st May 1813.

3704. A grant unto THOMAS GRANT, of Biddeford, in the county of Devon, esqr, for his invented certain ingredients, by the use and admixture of which with oil in the preparing and making of paint a considerable consumption of oil and also much expense is saved; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed, and also in all our colonies and plantations abroad, for the term of fourteen years pursuant to the statute; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

MANDER. MANBY. VERNON. 31st May 1813.

3705. A grant unto JOHN MANDER, chymist, ARON MANBY, ironmaster, and JOSEPH VERNON, furnaceman, all of the parish of Wolverhampton, in the county of Stafford, for their invented methods of making the cinder, scoria, slagg, or by whatever name the refuse produced in the smelting or refining of

iron may be called, into forms that may be used for any purpose to which brick, quarry, tile, slate, or other stone now are or may be applied ; to hold to them, their exors, admors, and assˢ, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within six calendar months from the date thereof. By writ, &c.

WYATT. 5th June 1813. **3706.** A grant unto CHARLES WYATT, of Bedford Row, in the county of Middx, for his invented method of casing or facing brick and other buildings with stone ; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute ; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

WITTY. 5th June 1813. **3707.** A grant unto RICHARD WITTY, of the town of Kingston-upon-Hull, gentⁿ, for his invented additional improvements in or on steam engines; and has likewise invented tools useful in making certain parts of the same ; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute ; with a clause to inroll the same within 6 calendar months from the date thereof. By writ, &c.

COOKE. 15th June 1813. **3708.** A grant unto WILLIAM COOKE, of Greenwich, in the county of Kent, esqr, for his invd improvements in the art of making and working ploughs of any kind or description ; to hold to him, his exors, admors, and assˢ, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

GOODWIN. 26th June 1813. **3709.** A grant unto CHARLES GOODWIN, of Finsbury Terrace, in the county of Middx, factor, for his invented improved socket for a candlestick, consisting of a spring or springs, by which any candle, rush light, or taper, without any paper or anything being put round it, may be fixed & secured in such socket, and which socket is adapted for the use of any description of candlestick, chandelier, lustre, branch lamp, or lantern ; and hath also found out and invented a self extinguisher, to be fixed to the candlestick, chandelier, lustre, branch lamp, or lantern, by which the light may be extinguished at any time the person using it may wish ; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed, and also in all our colonies and plantations abroad, for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

TODD. 29th June 1813. **3710.** A grant unto THOMAS TODD, of the city of Bristol, organ builder, for his invented machine, on an improved construction, for the purpose of separating corn, grain, and seeds from the straw ; to hold to him, his exors, admors, & assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute ; with a clause to inroll the same within six calendar months from the date thereof. By writ, &c.

CURR. 29th June 1813. **3711.** A grant unto JOHN CURR, of Belle Vue House, in the parish of Sheffield, in the county of York, gentⁿ, for his invd methods of applying flat ropes to horse gins and perpendicular drum shafts of steam engines for draw-

ing coals, minerals, or water out of mines, whereby the horses labour is greatly diminished; and flat ropes working on horse gins and steam engines, constructed with the said perpendicular drum shafts, are preserved from material injury; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

PENNY. KENDALL. 29th June 1813.

3712. A grant unto JAMES PENNY, of Low Northwaite, in the parish of Coulton, in the county of Lancaster, mechanic, and JOSEPH KENDALL, of Cookers Skell, in the parish of Ulverston, in the said county, turner, for their invented improved principle or plan for the making of pill and other small boxes; to hold to them, their exors, ads, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed pursuant to the statute; with a clause to inroll the same within six calendar months from the date thereof. By writ, &c.

WILKS. 29th June 1813.

3713. A grant unto CHARLES WILKS, of Ballincollig, in the county of Cork, esqr, for his invented certain improvements on naves of wheels for carriages, and for centres of wheels for carriages, and for centres for wheels of machinery for various purposes; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

TICKELL. 1st July 1813.

3714. A grant unto JOHN AMBROSE TICKELL, of Little Park Place, Lambeth, in the county of Surrey, gentn, for his invented alarum and machinery for the discovery and detection of depredators in a house or premes; to hold to him, his exors, admors, and ass^{s}, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within 6 calendar months from the date thereof. By writ, &c.

THOMASON. 3rd July 1813.

3715. A grant unto EDWARD THOMASON, of Birmingham (manufacturer), in the county of Warwick, for his invented various improvements in the construction of whips; to hold to him, his exors, admors, and ass^{s}, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

ADAMS. 7th July 1813.

3716. A grant unto ROBERT ADAMS, of Holborn, in the county of Middx, shoe maker, for his invented improved method of preparing blacking, whereby a higher polish is given and the leather better preserved than by any hitherto known; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

MILLARD. 14th July 1813.

3717. A grant unto JOHN MILLARD, of Cheapside, in the city of London, linendraper, for his invented method of manufacturing cotton wool, free from mixture, into cloth, for the purpose of regulating perspiration; to hold to

him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

CLARK. 14th July 1813.

3718. A grant unto JOHN CLARK, of Bridgewater, in the county of Somerset, grocer, for his invented method for making or constructing beds, pillows, hammocks, cushions, and various other articles of that kind, in a different manner and of different materials from any hitherto used; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within 6 calendar months from the date thereof. By writ, &c.

MOODY. 14th July 1813.

3719. A grant unto ALEXANDER MOODY, of Long Lane, Southwark, tanner, for his invented method of tanning or dressing white buff or losh leather; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed, and also in all our colonies and plantations abroad, for the term of fourteen years pursuant to the statute; with a clause to inroll the same within six calendar months from the date thereof. By writ, &c.

KNELLER. 14th July 1813.

3720. A grant unto WILLIAM GODFREY KNELLER, of Croydon, in the county of Surrey, chemist, for his invented method of manufacturing verdigris of the same quality as is known in commerce by the name of French verdigris; to hold to him, his exors, admors, and ass^{s}, within that part of our united kingdom of Great Britain & Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within two calendar months from the date thereof. By writ, &.

FERGUSON. ASHTON. 14th July 1813.

3721. A grant unto GEORGE FERGUSON and JOSEPH ASHTON, of Carlisle, in the county of Cumberland, hatters, for their invented improved light, elastic, water proof hat, commonly called a beaver hat; to hold to them, their exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within two calendar months from the date thereof; and also with a clause for supplying His Mãty's service with all such articles of the said invention as shall be required by the comm^{r} in chief of His Mãty's forces for the time being. By writ, &c.

PRETYMAN. 19th July 1813.

3722. A grant unto ROBERT PRETYMAN, of Ipswich, in the county of Suffolk, esq^{r}, for his invented improvement in the pan touch hole and pan cover of a gun lock; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within six calendar months from the date thereof; and also with a clause for supplying His Majesty's service with all such articles of the said invention as shall be required by the master general of the ordnance for the time being. By writ, &c.

LEWIS. 23rd July 1813.

3723. A grant unto JOHN LEWIS, of Llanelly, in the county of Carmarthen' assayer of metals, for his invented certain improvements in the art of smelting copper ore; to hold to him, his exors, admors, and assigns, within that

part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within six calendar months from the date thereof. By writ, &c.

MASON. 23rd July 1813.

3724. A grant unto CHARLES JAMES MASON, of Lane Delph, near Newcastle-under-Lyne, in the county of Stafford, potter, for his invented process for the improvement of the manufacture of English porcelain ; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

KOENIG. 23rd July 1813.

3725. A grant unto FREDERICK KOENIG, of Castle Street, Finsbury Square, in the county of Middx, printer, for his invented certain additional improvements on his method of printing by means of machinery ; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within six calendar months from the date thereof. By writ, &c.

PERING. 23rd July 1813.

3726. A grant unto RICHARD PERING, of our Dock Yard, in the parish of Stoke Damerel, in the county of Devon, for his invented anchor, made on new principles ; which consist, first, in continuing the grain of the iron from the shank into the arms, similar to the shape of a knee or arm of a tree, whereby the necessity of effecting a junction at the crown, as at present welded, is superseded ; secondly, in carrying a piece of iron across the crown from the centre of each arm, making thereby a perfect truss, which, when welded, resembles the form of a truss beam ; thirdly, in forming both the shank and arms of flat bars, placed so as to act edgwise on the line of resistance when the anchor is in the ground ; and fourthly, in forming the largest part of the shank one third down from the crown, in a line across, from toe to toe of the arms ; to hold to him, his exors, admors, and ass^{s}, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed, and also in all our colonies and plantations abroad, for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within two calendar months from the date thereof; and also with a clause for supplying His Mãty's service with all such articles of the said inv^{n} as shall be required by the comm^{rs} of the navy for the time being. By writ, &c.

HAMILTON. 31st July 1813.

3727. A grant unto JOSEPH HAMILTON, of the city of Dublin, gentleman, for his invented new application of earths and other materials to useful purposes ; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed, and also in all our colonies & plantations abroad, for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within six calendar months from the date thereof. By writ, &c.

HORROCKS. 31st July 1813.

3728. A grant unto WILLIAM HORROCKS, of Stockport, in the county of Chester, cotton manufacturer, for his invented further improvement to a machine for the weaving of cotton and other goods by hand, steam, water, or other power ; to hold to him, his exors, admors, and ass^{s}, within that part of our united kingdom of Great Britain & Ireland called England, our dominion

of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

CASSON. 9th August 1813. 3729. A grant unto JOHN CASSON, of Liverpool, in the county palatine of Lancaster, professor of music, for his invd machine, which he calls a panagram, by which the blind can be taught to read the languages, music, arithmetic, &c, by the touch or feeling ; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

SCOTT. 9th August 1813. 3730. A grant unto GEORGE SCOTT, of Alnwick, in the county of Northumberland, whitesmith, for his invented machine for the purpose of cutting out men and womens wearing apparel, and various other articles and things ; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within six calendar months from the date thereof. By writ, &c.

HEARD. 9th August 1813. 3731. A grant unto EDWARD HEARD, of the parish of Saint Luke, in the county of Middlesex, chemist, for his improved processes for the manufacturing of glass ; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within six calendar months from the date thereof. By writ, &c.

WESTFIELD. 9th August 1813. 3732. A grant unto ROBERT WESTFIELD, of James Street, Clerkenwell, in the county of Middx, watch maker, for his invented certain improvements in horizontal watches ; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

HANCOCK. 25th August 1813. 3733. A grant unto JOHN HANCOCK, of Reading, in the county of Berks, gentleman, for his invented improvements in the construction of carriages, and of the application of a material hitherto unused in the construction thereof ; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within six calendar months from the date thereof. By writ, &c.

NAISH. 25th August 1813. 3734. A grant unto JOHN NAISH, of the city of Bath, in the county of Somerset, gentleman, for his invented improved method of making moveable characters for composing names and professions ; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within six calendar months from the date thereof. By writ, &c.

HUNT. 25th August 1813. 3735. A grant unto THOMAS YATE HUNT, of the Brades, in the county of Stafford, steel manufacturer, for his improved back for scythes, reaping hooks, straw knives, and hay knives ; to hold to him, his exors, admors, and assigns,

within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

BRAZILL. 4th Sept. 1813.

3736. A grant unto JACOB BRAZILL, of Great Yarmouth, in the county of Norfolk, gent^n, for his invented machine for working capstans and pumps on board ships, which may be applied to various other useful purposes; to hold to him, his ex̃ors, adm̃ors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

PARKINSON. 4th Sept. 1813.

3737. A grant unto FRANK PARKINSON, of the town of Kingston-upon-Hull, distiller, for his invented and improved method for a still and boiler for preventing accidents by fire, and for preserving spirits and other articles from waste in the operation of distilling & boiling; to hold to him, his ex̃ors, adm̃ors, and ass^s, within that part of our united kingdom of Great Britain & Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed, and also in all our colonies and plantations abroad, for the term of fourteen years pursuant to the statute; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

WESTWOOD. 4th Sept. 1813.

3738. A grant unto JOHN WESTWOOD, of Sheffield, in the county of York, artist and general manufacturer, for his invention of embossing ivory by pressure; to hold to him, his ex̃ors, adm̃ors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

LISTON. 23rd Sept. 1813.

3739. A grant unto HENRY LISTON, clerk, minister of the parish of Ecclesmachan, in the county of Lenlithgow, for his certain improvements upon the plough; to hold to him, his ex̃ors, adm̃ors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within six calendar months from the date thereof. By writ, &c.

OSBORN. 15th October 1813.

3740. A grant unto HENRY OSBORN, of Whitmore House, in the county of Warwick, for his invented new principle or method of making tools for tapering of cylinders of different descriptions, made of iron, steel, metal, or mixture of metals; and also for tapering bars of iron, steel, metal, or mixture of metals; to hold to him, his executors, administrators, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

BUCHANAN. 18th October 1813.

3741. A grant unto ROBERTSON BUCHANAN, of the city of Glasgow, civil engineer, for his invented certain improvem^ts in the means of impelling vessels, boats, barges, & rafts, which may also be applied to the moving of water wheels and wind mills, the raising of water, the dredging, cleansing, or deepening of rivers and harbours, and the impelling of other machinery; to hold to him, his ex̃ors, adm̃ors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed, and also in all our colonies and plantations

abroad, for the term of fourteen years pursuant to the statute; with a clause for supplyg His Mãty's service with all such articles of the said invention as shall be required by the commissioners of the navy for the time being; and also with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

SUMMERS. 1st Nov. 1813.

3742. A grant unto WILLIAM SUMMERS the yor, of New Bond Street, in the county of Middlesex, ironmonger, for his improved method of raising hot water from a lower to an upper level, for baths, manufactories, and other useful purposes; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within two calendar months from the date thereof. By writ of Privy Seal.
WILMOT.

DYER. 1st Nov. 1813.

3743. A grant unto JOSEPH C. DYER, of Boston, state of Massachusetts, one of the United States, now residing at Gloucester Place, Camden Town, in the county of Middx, merchant, that in consequence of a communication made to him by a certain foreigner residing abroad he is become possessed of a new method of spinning hemp, flax, grasses, or any substance having considerable length of fibre; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed, and also in all our colonies and plantations abroad, for the term of fourteen years pursuant to the statute; with a clause to inroll the same within six calendar months from the date thereof. By writ, &c.

JAMES. 1st Nov. 1813.

3744. A grant unto SAMUEL JAMES, of Hoddesdon, in the coy of Hertford, surgeon, for his invented sofa or machine for the case of invalids and others; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within six calendar months from the date thereof. By writ, &c.

BARTON. 1st Nov. 1813.

3745. A grant unto JOHN BARTON, of Tufton Street, Westminster, in the county of Middlesex, engineer, for his invented various improvements in the construction and application of steam engines; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain & Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed, and also in all our colonies and plantations abroad, for the term of fourteen years pursuant to the statute; with a clause to inroll the same within six calendar months from the date thereof. By writ, &c.

RUTHVEN. 1st Nov. 1813.

3746. A grant unto JOHN RUTHVEN, of Edinburgh, printer, for his invented machine or press for printing from types, blocks, or other surfaces; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within four calendar months from the date thereof. By writ, &c.

ROGERS. 1st Nov. 1813.

3747. A grant unto THOMAS ROGERS, of Baggott Street, in the city of Dublin, but now residing in England, for his invented new flour for bread, pastry, and other purposes; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the

term of fourteen years pursuant to the statute ; with a clause to inroll the same within six calendar months from the date thereof ; and also with a clause for supplying His Māty's service with all such articles of the said invn as shall be required by the master general of the ordnance and commrs of the navy for the time being. By writ, &c.

SANDERS. 4th Nov. 1813.

3748. A grant unto BENJAMIN SANDERS the elder, of Granby Place, in the county of Surrey, button manufacturer, for his invented method of manufacturing buttons ; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within six calendar months from the date thereof. By writ, &c.

WILKS. 9th Nov. 1813.

3749. A grant unto CHARLES WILKS, of Ballincollig, in the county of Cork, esqr, for his invd method of constructing four wheeled carriages of all descriptions, whereby a facility of turning is obtained without having recourse to the usual modes of having what is commonly called locks, or having any necessity for keeping the four wheels of such carriages lower than the hinder wheels usually are, or of raising the bodies of such carriages higher than usual ; to hold to him, his exors, ads, & ass^{s}, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of 14 yrs pursuant to the statute ; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

TOMLINSON. 13th Nov. 1813.

3750. A grant unto RICHARD JONES TOMLINSON, of Bristol, iron master for his invented improvements in the methods of constructing or making the coverings of the roofs or of other surfaces of buildings, whether external or internal ; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

POPE. 16th Nov. 1813.

3751. A grant unto WILLIAM POPE, of the city of Bristol, perfumer, for his invd instrument or instruments, to be used jointly or separately, for ascertaining a ship's way at sea, and assisting in determining the longitude ; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within six calendar months from the date thereof ; and also with a clause for supplying His Majesty's service with all such articles of the said invention as shall be required by the commrs, of the navy for the time being. By writ, &c.

BURGE. 16th Nov. 1813.

3752. A grant unto WILLIAM BURGE, of the city of Bristol, confectioner, for his invented improvements in the construction of fire places ; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute ; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

BOUNSALL. 16th Nov. 1813.

3753. A grant unto JAMES BOUNSALL, of Plymouth Dock, in the county of Devon, tailor, for his invented certain improvements in different stages of rope making, and in machinery adapted for such improvements ; to hold to

him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within six calendar months from the date thereof. By writ, &c.

HOWARD. 20th Nov. 1813.

3754. A grant unto EDWARD CHARLES HOWARD, of Westbourn Green, in the county of Middx, esqr, for his invd certain improvements in the process of preparing and refining sugars; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed, and also in all our colonies and plantations abroad, for the term of fourteen years pursuant to the statute; with a clause to inroll the same within six calendar months from the date thereof. By writ, &c.

BODMER. 23rd Nov. 1813.

3755. A grant unto JAMES BODMER, of Stoke Newington, in the county of Middx, gentn, for his invented method of loading fire arms, cannon, and all ordnance except mortars, at the breach, with a rifled bore; & also a touch hole for fire arms and ordnance; and also a moveable sight for fire arms and ordnance; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed, and also in all our colonies and plantations abroad, for the term of 14 years pursuant to the statute; with a clause to inroll the same within two calendar months from the date thereof; and also with a clause for supplying His Mãty's service with all such articles of the said invention as shall be required by the master genl of the ordnance for the time being. By writ, &c.

DONOVAN. CHURCH. 23rd Nov. 1813.

3756. A grant unto JEREMIAH DONOVAN, of Craven Street, Strand, in the county of Middlesex, esqr, and JOHN CHURCH, of the same county, soap boiler, for their discovered invention of saponaceous compounds for deterging in sea water, in hard water, and in soft water; to hold to them, their exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and the town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within six calendar months from the date thereof. By writ, &c.

BACON. DONKIN. 23rd Nov. 1813.

3757. A grant unto RICHARD MACKENZIE BACON, of the city of Norwich, printer, and BRYAN DONKIN, of Fort Place, Bermondsey, in the county of Surrey, engineer, for their invented certain improvements or apparatus employed in printing, whether from types, from blocks, or from plates; to hold to them, their exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within six calendar months from the date thereof. By writ, &c.

BIGGS. 23rd Nov. 1813.

3758. A grant unto EDWARD BIGGS, of Birmingham, in the county of Warwick, brass founder, for his invented method of working a stamp by a steam engine, water, or horse power; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of, fourteen years pursuant to the statute; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

CHERRY. 23rd Nov. 1813.

3759. A grant unto FREDERICK CHERRY, of Croydon, in the county of Surrey, veterinary surgeon in the army, for his invented certain improvements in the construction of various articles of an officer's field equipage, by

which every thing absolutely necessary for an officer's personal comfort may be packed so as to be carried on the back of one horse or mule ; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause for supplying His Majesty's service with all such articles of the said invention as shall be required by the master general of the ordnance for the time being ; and also with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

DUNCOMBE. 25th Nov. 1813.

3760. A grant unto JOHN DUNCOMBE, of Woolwich, in the county of Kent, civil engineer, for his invented impt to mathematical and astronomical instruments, in order to render them more portable, accurate, easy, expeditious, and certain in their application to topographical and nautical surveying, the mensuration of terrestrial and celestial angles, and the direct distances of inaccessible objects by one station, by land or sea, without the usual modes of calculation, by a new index, which ascertains the measured quantity of an angle to any proposed rational degree of precision, by rendering the division of those minute parts hitherto imperceptible to the senses truly conspicuous and distinctly legible by the common naked eye; also, by an attached new parallel movement, the natural sine and cosine of such angles are precisely obtained to any elligible radius, without tabular or other reference ; and by a detached similar movement the direct distance of an inaccessible object is accurately measured at one station, without trigonometrical or other calculation; and a new improved compass, whose index points due north and south, and which is capable of adjustment according to the known or observed variation of the magnetic needle ; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed, and also in all our colonies and plantations abroad, for the term of 14 years pursuant to the statute ; with a clause to inroll the same within two calendar months from the date thereof ; and also with a clause for supplying His Majesty's service with all such articles of the said invention as shall be required by the commissrs of the navy for the time being.

By writ, &c.

CRAGG. 29th Nov. 1813.

3761. A grant unto JOHN CRAGG, of Liverpool, in the county palatine of Lancaster, esqr, for his invented improvements in the facing of exterior and interior walls of gothic or other structures built of brick or other material, with strong milled or sawn slates, bound and secured by mouldings, grooves, and tyes of cast iron, in such a manner as to have the appearance, when sanded, of finely wrought stone work, in ornamented pannels or otherwise, with cielings, of correspondent tracery, form, and character, of the same materials, which may be supported by pointed arches rising from single or clustered colums of cast iron or otherwise, and in capping buttresses in gothic architecture with highly enriched pinnacles or finials of cast iron only, the which being connected by metal with the spouts, also of metal, and carried down to the ground, form conductors for the protection of lofty buildings from the effect of lightning ; also for a spiral stair (wholly of cast iron), of a light and simple construction, which may be carried up or inserted within the corner of a buttressed tower wall, or in the cylinder of a small turret ; by which mode of facing, adorning, and constructing the said several parts, churches or other buildings of pure gothic design may be erected of brick, and finished with light ornamental carved work of appropriate taste and elegance at less expence than if wrought in stone, and in materials that will endure ; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of

Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

De Jough. 29th Nov. 1813.

3762. A grant unto Maurice De Jough, of Kentish Town, in the county of Middlesex, for his invented improvement or improvem^{ts} in the method or methods of manufacturing or preparing madder roots and madder; to hold to him, his ex̃ors, adm̃ors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

Willson. 29th Nov. 1813.

3763. A grant unto Isaac Willson, of the city of Bath, gentleman, for his invented certain improvements upon stove grates, to prevent smoky rooms, and for obtaining an increased heat from the same quantity of fuel; to hold to him, his ex̃ors, adm̃ors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within six calendar months from the date thereof. By writ, &c.

Tyrrell. 4th Dec. 1813.

3764. A grant unto Samuel Tyrrell, of Peddinghoe, in the county of Sussex, farmer, for his invented broad cast sowing machine; to hold to him, his ex̃ors, adm̃ors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

Bateman. 9th Dec. 1813.

3765. A grant unto John Bateman, of the township of Wyke, in the parish of Birchall and county of York, woollen draper, for his invented improvement of musical instruments; to hold to him, his ex̃ors, adm̃ors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within six calendar months from the date thereof. By writ, &c.

Wright. 9th Dec. 1813.

3766. A grant unto Thomas Wright, of Great S^{t} Helens, in the city of London, broker, for his invented method of making a composition or mixture for dying scarlet and other colours; to hold to him, his ex̃ors, adm̃ors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within six calendar months from the date thereof. By writ, &c.

Rogers. 14th Dec. 1813.

3767. A grant unto John Swarbreck Rogers, of the city of Chester, merchant, for his invented mode of spinning or making a species of wool into yarn, either by itself or with any other material, which yarn may be beneficially used in various branches of manufacture; to hold to him, his ex̃ors, adm̃ors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

White. 14th Dec. 1813.

3768. A grant unto Joseph White, of Leeds, in the county of York, millwright, for his invented certain improvements in steam engines; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed, for the term of fourteen years pursuant to the statute; with a clause to inroll the same within six calendar months from the date thereof. By writ, &c.

Day. 20th Dec. 1813.

3769. A grant unto William Allamus Day, of Poplar, in the county of Middx, gentn, for his invented method of extracting all the gross or mucilaginous matter from Finks or Greenland blubber produced from whales when boiled into oil, which method not only renders the oil so boiled more free from its usual rancid smell and taste, but in a great degree adds to its burning and inflammable qualities; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

Spratley. 20th Dec. 1813.

3770. A grant unto William Spratley, of the Strand, in the county of Middx, coal merchant, for his discovered improvemt upon the axle tree of wheels for carriages of different descriptions; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within two calendar months from the date thereof; and also with a clause for supplying His Mäty's service with all such articles of the said invention as shall be required by the masr genl of the ordnance for the time being. By writ, &c.

Sutherland. 20th Dec. 1813.

3771. A grant unto John Sutherland, of Liverpool, in the county of Lancaster, copper smith, for his invented improvement in the construction of copper and iron sugar pans and sugar boilers, and a new method of hanging the same; as also an improvement in the construction of the furnaces or fire places in which such pans and boilers ought to be placed; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute, and also in all our colonies and plantations abroad; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

Cochrane. 24th Dec. 1813.

3772. A grant unto Sir Thos Cochrane, knt., for his invented method and methods of regulating atmospheric pressure in lamps, globes, and other transparent cases; of supplying combustible matter to flames, and preserving uniform intensity of light; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within six calendar months from the date thereof. By writ, &c.

Sutton. 24th Dec. 1813.

3773. A grant unto Ralph Sutton, of Birmingham, brass founder, for his invd effectual security to prevent the accidental discharge of fowling pieces, which invn is unconnected with the lock, and applicable to all kinds of fire arms; to hold to him, his exors, admors, and ass^{s}, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within six calendar months

from the date thereof; and also with a clause for supplying His Majesty's service with all such articles of the said invention as shall be required by the master general of the ordnance for the time being. By writ, &c.

Murphy. 24th Dec. 1813.

3774. A grant unto James Cavannah Murphy, of Edward Street, Cavendish Square, in the county of Middlesex, architect, for his discovered Arabian method of preserving timber and various other substances from corruption or decay; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within twelve calendar months from the date thereof. By writ, &c.

Stocker. 10th Jan. 1814.

3775. A grant unto William Stocker, of Martock, in the county of Somerset, gunsmith, for his invented cock, made of metal and wood, for drawing liquor from casks, which produces a stop superior to that which is effected by common cocks, and prevents the liquor from coming in contact with the metals, except when the liquor is in the act of being drawn and is running from the cask; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

Duffy. 8th Feb. 1814.

3776. A grant unto John Duffy junior, of Ballsbridge, near Dublin, calico printer, for his invented method of producing patterns on cloths made of callico or linen, or both, by preserving or defending mordants or colours previously applied to them from injury when it is required to pass such mordants or colours through solutions of acids, of acid salts, of metallic salts, or of combinations of the oxmuriatic acid; to holdto him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within 6 calendar months from the date thereof. By writ, &c.

Harris. 8th Feb. 1814.

3777. A grant unto Timothy Harris, of Foley Place, in the coy of Middx, esqr, for his invented machine or machines for ploughing, laying on colours called grounds, printing, flocking, and pressing, so as to produce an even smooth face upon paper, silk, linen, woollen, leather, cotton, and various articles; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within 2 calendar months from the date thereof. By writ, &c.

Vallance. 8th Feb. 1814.

3778. A grant unto John Vallance junr, of Brighthelmston, in the county of Sussex, brewer, for his invd apparatus for the certainly cooling brewers, vinegar makers, and distillers worts, wash, &c; to hold to him, his exors, admors, and assns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within six calendar months from the date thereof. By writ, &c.

Kershaw. Wood. 10th Feb. 1814.

3779. A grant unto John Kershaw, of Glossop Dale, in the county of Derby, cotton spinner, and John Wood, of the same place, gentn, for their invented mode of preparing flax, for the purpose of being spun on the like

machinery as cotton ; to hold to them, their exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

Bramah. 10th Feb. 1814.

3780. A grant unto Joseph Bramah, of Pimlico, in the county of Middlesex, engineer, for his method of applying a certain species of earth, which will prove useful and be found productive of great public benefit, in as much as it will,when so applied, prevent, destroy, and finally extirpate what is called the dry or fungus rot, and will serve as a substitute for lead in making of oil paints, and also for various other purposes; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

Hamilton. 12th Feb. 1814.

3781. A grant unto William Francis Hamilton, of Asylum Buildings, Westminster Road, in the county of Surrey, engineer, for his invented certain improvements in optical instruments and apparatus ; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed, and also in all our colonies and plantations abroad, for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within two calendar months from the date thereof ; and also with a clause for supplying our service with all such articles of the said invention as shall be required by the commissioners of the navy for the time being.

By writ, &c.

Price. 12th Feb. 1814.

3782. A grant unto Richard Price, of Bristol, ironmonger, for his invented improved cooking apparatus ; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within six calendar months from the date thereof. By writ, &c.

Buddle. 21st Feb. 1814.

3783. A grant unto John Buddle, of Walls End, in the county of Northumberland, gent^n^, for his inv^d^ fire pan or fire lamp, in which small or inferior coals may be consumed in the place of large or round coals ; and that he hath also found out and invented a fire grate or fire stove, to be fixed at the bottom of the chimney in the ordinary mode, in which fire grate or fire stove small or inferior coals may be consumed on all occasions, and for all the same purposes as larger or round coals ; to hold to him, his ex^s^, ad^s^, & ass^s^, within that p^t^ of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of 41 y^rs^ pursuant to the statute ; with a clause to inroll the same within 2 calendar mo^s^ from the date thereof. By writ, &c.

Thomson. 9th March 1814.

3784. A grant unto James Thomson, of Colebrook Terrace, Islington, in the county of Middlesex, merchant, for his inv^d^ certain improvements in the construction of fire arms, and the locks to fire arms ; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within four calendar months from the date thereof ; and

also with a clause for supplying His Majesty's service with all such articles of the said invention as shall be required by the master general of the ordnance for the time being. By writ, &c.

GOODALL. 12th March 1814.

3785. A grant unto DANIEL GOODALL, of Burton Latimer, in the county of Northampton, for his invented manufacturing of English crapes from silks, dyed and coloured, both before and after they are thrown or spun into crape silk or silk for the manufacturing of crape; and introducing, weaving, or working into the warp and shute of such crapes, black, white, coloured, and fancy silks, and also black, white, coloured, and fancy cottons and worsteds, and also gold and silver, and every other description of plain or fancy materials; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within six calendar months from the date thereof. By writ, &c.

COCK. 12th March 1814.

3786. A grant unto ALEXANDER COCK, of the Strand, in the county of Middx, gent^n, for his discovered invention for the prevention and cure of the dry rot and common decay in timber, and for preserving woollen, linen, and other articles from mildew; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

HASLEWOOD. 12th March 1814.

3787. A grant unto ROGER HASLEWOOD, of Great Russel Street, Bloomsbury Square, in the county of Middx, ironmonger, for his invented contrivance for folding screens, adapted to impede the passage of air, smoke, fire, and light, applied to fire places, grates, stoves, windows, and doors, which he denominates the improved folding screen; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

STEERS. 12th March 1814.

3788. A grant unto EDWARD STEERS, of the Inner Temple, gentleman, for his inv^d method of rendering the stoppers of bottles, jars, &c, air tight; to hold to him, his ex^s, ad^s, & ass^s, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

BARCLAY. CUMING. 12th March 1814.

3789. A grant unto JAMES BARCLAY and WILLIAM CUMING, of Cambridge, for their inv^d improved wheels and axletrees for carriages; to hold to them, their exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

SLATER. 12th March 1814.

3790. A grant unto JOHN SLATER, of Birmingham, in the county of Warwick, manufacturer, for his inv^d imp^t in a steam boiler and apparatus, for the purpose of washing, steaming, cleansing, and whitening cloaths, cloathing, and cloths, and for warming or heating closets, laundries, and

other rooms by the same; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within six calendar months from the date thereof. By writ, &c.

BRUNEL. 12th March 1814.

3791. A grant unto MARC ISAMBARD BRUNEL, of Chelsea, in the county of Middx, civil engineer, for his invented new method of giving additional durability to certain descriptions of leather; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within 6 calendar months from the date thereof; and also with a clause for supplying His Majesty's with all such articles of the said invention as shall be required by the masr genl of the ordnance for the time being. By writ, &c.

MURRAY. 12th March 1814.

3792. A grant unto MATHEW MURRAY, of Leeds, in the county of York, engineer, for his invented new methods and improvements in the construction of hydraulic presses for pressing cloth and paper, and for other purposes; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

NOBLE. 23rd March 1814.

3793. A grant unto WILLIAM ALFRED NOBLE, of Riley Street, Chelsea, in the county of Middx, engineer, for his invented improved steam and fire engine, and a new means of connecting or joining steam or water pipes together; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed, and also in all our colonies and plantations abroad, for the term of fourteen years pursuant to the statute; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

HEATON. 23rd March 1814.

3794. A grant unto EMANUAL HEATON, of Birmingham, in the county of Warwick, gun finisher, for his invented improvement to the locks and breeches of fire arms, by rendering the pans of locks and communication between the priming and loading of fire arms water proof; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within two calendar months from the date thereof; and also with a clause for supplying His Majesty's service with all such articles of the said invention as shall be required by the master genl of the ordnance for the time being. By writ, &c.

MOLINE. 28th March 1814.

3795. A grant unto JOHN SPARKS MOLINE, of Leadenhall Street, London, leather merchant, for his improved method of tanning leather; to hold to him, his exs, ads, & ass, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within six calendar months from the date thereof. By writ, &c.

SMART. 1st April 1814.

3796. A grant unto GEORGE SMART, of Ordnance Wharf, Westmr Bridge, timber merchant, for his invented improvements in machinery for grinding

corn and various other articles; to hold to him, his exs, ads, and asss, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

Wood. 1st April 1814.

3797. A grant unto James Wood, of New Compton Street, in the parish of St Giles and county of Middlesex, musical instrument maker, for his invd certain improvements on the German flute, applicable also to the clarionet and bassoon; to hold to him, his exors, admors, and asss, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

Dyer. 1st April 1814.

3798. A grant unto Joseph C. Dyer, of Boston, state of Massachusetts, one of the United States, now residing in the Adelphi, in the city of Westminster and county of Middlesex, merchant, that in consequence of a communication made to him by a certain foreigner residing abroad he is become possed of an invn of certain improvements in machinery for manufacturing nails of various kinds; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon Tweed, and also in all our colonies and plantations abroad, for the term of fourteen years pursuant to the statute; with a clause to inroll the same within six calendar months from the date thereof. By writ, &c.

Rastrick. 1st April 1814.

3799. A grant unto John U. Rastrick, of Bridgnorth, in the county of Salop, civil engineer, for his invented steam engine; to hold to him, his exs, ads, and asss, within that part of our united kingdom of Great Bn & Ireland called England, our dominion of Wales, & town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within 6 calendar months from the date thereof. By writ, &c.

Mason. 7th April 1814.

3800. A grant unto Isaac Mason, of Wellen Hall, in the county of Stafford, tea tray maker, for his invented method for making stamped fronts for register stoves and other stoves, fenders, tea trays and other trays, mouldings, and other articles, in brass and other metals; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within six calendar months from the date thereof; and also with a clause for supplying His Majesty's service with all such articles of the said invention as shall be required by the commrs of the navy for the time being. By writ, &c.

Roberts. 7th April 1814.

3801. A grant unto Joseph Roberts, of Brownlow Street, Drury Lane, in the county of Middx, blind maker, for his invd apparatus, intended to be used for map rollers and carriage blinds, and other similar objects; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of 14 yrs pursuant to the statute; with a clause to inroll the same within 2 calendar months from the date thereof. By writ, &c.

Whitfield. 9th April 1814.

3802. A grant unto William Whitfield, of Birmingham, in the county of Warwick, scale beam maker, for his invented certain improvements in

carriages ; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause for supplying His Majesty's service with all such articles of the said invention as shall be required by the master general of the ordnance for the time being ; and also with a clause to inroll the same within six calendar months from the date thereof.

By writ, &c.

READ. 18th April 1814.

3803. A grant unto JOHN READ, of the parish of Horsemonden, in the county of Kent, gardener, for his invented means of raising and conveying water, steam, gas, or any other fluid, by pipes of purified earth ; to hold to him, his exs, admors, and ass, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

GOMPERTZ. 27th April 1814.

3804. A grant unto LEWIS GOMPERTZ, of Kennington Oval, in the county of Surrey, gentleman, for his invented sundry improvements in carriages (and substitutes for wheels for carriages) and other machines ; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed, and also in all our colonies and plantations abroad, for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within six calendar months from the date thereof ; and also with a clause for supplying His Majesty's service with all such articles of the said invention as shall be required by the master general of the ordnance for the time being. By writ, &c.

GRANT. 27th April 1814.

3805. A grant unto DAVID GRANT, of Pickett Street, Strand, in the county of Middx, soda water manufacturer, for his invented pump or apparatus for drawing off soda water and other liquids impregnated with fluid air ; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

LOGIER. 28th April 1814.

3806. A grant unto JOHN BERNARD LOGIER, of Sackville Street, Dublin, professor of music and music seller, for his invented apparatus for facilitating the acquirement of proper execution on the piano forte ; to hold to him, his exs, ads, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within six calendar months from the date thereof.

By writ, &c.

PRICE. 5th May 1814.

3807. A grant unto JOSEPH PRICE, of Gatehead, in the county of Durham, glass maker, for his several new methods of making glass ; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

VANCOUVER. 17th May 1814.

3808. A grant unto JOHN VANCOUVER, of Ickenham, in the county of Middx, esqr, for his invented new method of painting walls of apartments and other surfaces by the preparation, use, and application of certain materials

for that purpose ; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed ; with a clause to inroll the same within fifteen calendar months from the date thereof.

By writ, &c.

PICKERING. 21st May 1814.

3809. A grant unto THOMAS ABREE PICKERING, of Hackney Terrace, Hackney, in the county of Middlesex, gentleman, that—losses of parcels (containing bank notes, bank post bills, country bankers or other notes or bills payable to bearer, in London or the country,) by coaches so frequently occurring—hath invented a method or methods of preventing such losses, and for the security of remittances ; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within six calendar months from the date thereof. By writ, &c.

MOULT. 23rd May 1814.

3810. A grant unto WILLIAM MOULT, of Bedford Square, in the county of Middx, for his invented improved method of acting upon machinery ; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within six calendar months from the date thereof. By writ, &c.

NEVILLE. 26th May 1814.

3811. A grant unto WILLIAM NEVILLE, of Birmingham, in the county of Warwick, merchant and coach founder, for his invented method of making hurdles, gates, palisades, virandas, balustrades, stair case rails, espalier frames, and various other articles ; to hold to him, his exors, admors, & assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within six calendar months from the date thereof. By writ, &c.

SELLARS. 7th June 1814.

3812. A grant unto WILLIAM SELLARS, of Kemsey Elms, in the county of Worcester, engineer, for his invented method of spinning and laying of ropes, twine, line, thread, mohair, wool, cotton, and silk, by machinery ; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

HEYWOOD. 7th June 1814.

3813. A grant unto GEORGE HEYWOOD, of Blackmoor Iron Works, near Stourbridge, in the county of Stafford, ironmonger, for his invented improved plan or method of turning rolls, and of rolling gun and pistol barrels, previous to welding; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within two calendar months from the date thereof; and also with a clause for supplyg His Mãty's service with all such articles of the said invn as shall be required by the masr genl of the ordnance for the time being. By writ, &c.

JORDEN. 7th June 1814.

3814. A grant unto JOHN STUBBS JORDEN, of Birmingham, in the county of Warwick, copper sash manufacturer, for his invd impd method of making the lights, and also other improvements in the construction of horticultural

buildings ; to hold to him, his exors, admors, & assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

PRESTON. 7th June 1814.

3815. A grant unto GRANT PRESTON, of Burr Street, London Dock, in the county of Middx, brazier, for his invented concavious cabbin stove ; to hold to him, his exors, ads, and asss, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within two calendar months from the date thereof ; and also with a clause for supplying His Mãty's service with all such articles of the said invention as shall be required by the commrs of the navy for the time being. By writ, &c.

BUXTON. 7th June 1814.

3816. A grant unto JOHN BUXTON, of Great Pearle Street, Spital Fields, in the county of Middx, cotton manufacturer, for his invented method of twisting and laying cotton, silk, and various other articles ; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed, for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within six calendar months from the date thereof. By writ, &c.

TINDALL. 18th June 1814.

3817. A grant unto THOMAS TINDALL, of Green Street, in the parish of Scarborough, in the county of York, gentn, for his invented certain improvements on the steam engine, with appendages thereto ; and also a mode of applying the same to the driving of all sorts of carriages and machinery ; to hold to him, his exors, admors, and asss, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed, and also in all our colonies and plantations abroad for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

MABERLY. BARROW. 25th June 1814.

3818. A grant unto JOHN MABERLY, of Welbeck Street, Cavendish Square, in the county of Middx, coach maker, and JOHN BARROW, of York Court, East Street, Mary-le-bone, in the said county, smith, for their invented method of securing carriage glasses ; to hold to them, their exors, admors, and asss, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the the term of fourteen years pursuant to the statute ; with a clause to inroll the same within six calendar months from the date thereof. By writ, &c.

HAMILTON. 28th June 1814.

3819. A grant unto WILLIAM FRANCIS HAMILTON, of Asylum Buildings, Westmr Road, engineer, for his invd certain improvements in the making and preparation of soda water, and other liquids impregnated with carbonic acid gas ; to hold to him, his exors, ads, & asss, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within six calendar months from the date thereof. By writ, &c.

MERTIAN. 12th July 1814.

3820. A grant unto BAZILL LOUIS MERTIAN, of Threadneedle Street, in the city of London, gentleman, that in consequence of a communication made to him by a certain foreigner residing abroad is become possessed of a method of extracting or separating gelly or gelatinous matter from substances capable of affording the same, in order that the same may be used in the arts or for

domestic or other purposes; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within six calendar months from the date thereof. By writ, &c.

DAWSON. 16th July 1814.

3821. A grant unto JAMES DAWSON, of York Street, in the city of Dublin, esqr, for his invented certain means of producing or communicating motion in or unto bodies either wholly or in part surrounded by water or air, or either of them, by the reaction of suitable apparatus upon the said water or air, or upon both of them; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within twelve calendar months from the date thereof. By writ, &c.

SMITH. 16th July 1814.

3822. A grant unto JOSEPH SMITH, of the city of London, plater, for his invented spring hinge for doors and gates; to hold to him, his exors, admors, and assns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

DUNNAGE. 26th July 1814.

3823. A grant unto GEORGE DUNNAGE, of the Upper Mall, Hammersmith, in the county of Middx, esqr, for his improved method of rowing or propelling boats or any other vessels; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within 4 calendar months from the date thereof. By writ, &c.

KLEFT. 26th July 1814.

3824. A grant unto HENRY WILLIAM VANDER KLEFT, of 253, High Holborn, in the county of Middlesex, gentleman, for his invented or found out method of sweetening, purifying, and refining Greenland whale and seal oil; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

HILL. 26th July 1814.

3825. A grant unto ANTHONY HILL, of Plymouth Iron Works, in the county of Glamorgan, iron master, for his invented certain improvements in the smelting and working of iron; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within six calendar months from the date thereof. By writ, &c.

JOHNSON. 26th July 1814.

3826. A grant unto WILLIAM JOHNSON, of Hall Farm, Heybridge, in the county of Essex, gentleman, for his invented new improved process of making salt; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within six calendar months from the date thereof. By writ, &c.

DONCASTER. 26th July 1814.

3827. A grant unto WILLIAM DONCASTER, of Charles Street, Cavendish Square, in the county of Middlesex, gent., for his invented series of improvements in the construction, uses, and mode of navigating ships and vessels of various denominations, in marine and inland navigation, and for abstracting for separate use such powers and machinery as form an hydrostator or mill; and also a mode and combination applicable to easing the draft and accelerating the motion of carriages travelling on land; and also a dining table upon an improved principle; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within fifteen calendar months from the date thereof. By writ, &c.

SYKES. 4th August 1814.

3828. A grant unto THOMAS SYKES, of Sheffield, in the county of York, gunsmith and manufacturer of powder flasks, shot belts, and other articles for his invented new various improvements in the construction of guns, pistols, and other fire arms, and of implements used for loading them; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within 2 calendar months from the date thereof. By writ, &c.

COLLIER. 4th August 1814.

3829. A grant unto JAMES COLLIER, of Upper Thornaugh Street, in the county of Middlesex, engineer, for his invented machine for combing wool, hemp, flax, waste silk, cotton, hair, or any other substance or material capable of being reduced to a sliver by the operation of combing; to hold, &c, as above; 2 months to inroll. By writ, &c.

THOMPSON. 4th August 1814.

3830. A grant unto JAMES THOMPSON, of Yarmouth, in the county of Norfolk, master mariner, for his invented method of assisting to render a ship, vessel, or craft governable in all the cases of her movements; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within two calendar months from the date thereof; and also with a clause for supplying His Majesty's service with all such articles of the said invention as shall be required by the commissioners of the navy for the time being. By writ, &c.

HOWARD. 4th August 1814.

3831. A grant unto EDWARD CHARLES HOWARD, of Nottingham Place, in the parish of Saint Mary-le-bone, in the county of Middlesex, esquire, for his invented certain means of separating insoluble substances from fluids in which the same are suspended; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within six calendar months from the date thereof. By writ, &c.

MICHELL. 4th August 1814.

3832. A grant unto TOBIAS MICHELL, of Upper Thames Street, in the city of London, gentleman, for his improved machine for raising water, with less power than has hitherto been experienced, for the impelling of machinery and other purposes; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within six calendar months from the date thereof. By writ, &c.

PAULY. 4th August 1814.

3833. A grant unto JEAN SAMUEL PAULY, of Little Charlotte Street, in the parish of Saint George, Hanover Square, and county of Middlesex, engineer, for his invented improvements in the construction and use of fire arms; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within six calendar months from the date thereof; and also with a clause for supplying His Majesty's service with all such articles of the said invention as shall be required by the master general of the ordnance. By writ, &c.

COURTAULD. 4th August 1814.

3834. A grant unto GEORGE COURTAULD, of Braintee, in Essex, silk throwster, of his invented improved spindle for manufacture of silk thread; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

ERARD. 4th August 1814.

3835. A grant unto SEBASTIAN ERARD, of Great Marlborough Street, Oxford Street, in the county of Middlesex, musical instrument maker, for certain improvements in musical instruments; to hold to him, his executors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within six calendar months from the date thereof. By writ, &c.

LARKIN. 16th August 1814.

3836. A grant unto MICHAEL LARKIN, of Blackwall, in the parish of St Dunstan, Stepney, in the county of Middx, shipwright, for his invented improvement in windlasses for ships and other vessels; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

KLEFT. 17th August 1814.

3837. A grant unto HENRY Wm VANDER KLEFT, of No 253, High Holborn, in the county of Middlesex, gentleman, for his invented method of constructing a walking staff, to contain a pistol, powder, ball, and screw, telescope, pen, ink, paper, pencil, knife, and drawing utensils; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

SALMON. 23rd August 1814.

3838. A grant unto ROBERT SALMON, of Woburn, in the county of Bedford, surveyor, for his invented certain improvements in the construction of machines for making hay; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

DICKINSON. DICKINSON. 24th August 1814.

3839. A grant unto JOHN DICKINSON and GEORGE DICKINSON, of Nash Mills, in the county of Hertford, paper makers, for their invented certain improvements in the said John Dickinson's patent machinery for manufacturing

paper ; and also certain apparatus for separating the knotts or lumps from paper or paper stuff ; to hold to them, their exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, and dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within six calendar months from the date thereof. By writ, &c.

PENNY. KENDALL. 8th Sept. 1814.

3840. A grant unto JAMES PENNY, of Low Nibthwaite, in the parish of Colton, in the county of Lancaster, mechanic, and JOSEPH KENDALL, of Cockenscall, in the parish of Ulveston, in the said county, turner, for their invented an entirely new and improved principle or plan for the making of pill and other small boxes ; to hold to them, their exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

LESTER. 17th Sept. 1814.

3841. A grant unto WILLIAM LESTER, of Paddington, in the county of Middlesex, engineer, for his invented certain further improvements on an engine or machine for separating corn or seeds from the straw and chaff ; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within six calr months from the date thereof. By writ, &c.

TAYLOR. TAYLOR. 23rd Sept. 1814.

3842. A grant unto JOSEPH TAYLOR and PETER TAYLOR, both of Manchester, in the county of Lancaster, machine makers, for their invented and brought to perfection certain improvements in a loom, to be used in weaving cotton, linen, worsted, silk, or other cloth, or cloth made of any two or more of the said materials ; to hold to them, their exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within 2 calendar months from the date thereof. By writ, &c.

SHEFFIELD. 23rd Sept. 1814.

3843. A grant unto WILLIAM EVETT SHEFFIELD, of the Pologan, Somers Town, in the county of Middlesex, gentleman, for his invented divers improvements in the making or manufacturing copper and its compounds, and other metallic substances, or any or either of the same ; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within six calendar months from the date thereof. By writ, &c.

DOBBS. 23rd Sept. 1814.

3844. A grant unto JAMES DOBBS, of Birmingham, in the county of Warwick, gentleman, for his invented improvements in the manufacturing of machines used for the cutting and gathering in grain and produce arising from the earth, whereby much labour and expence are saved ; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute ; with a clause to inroll the same within six calendar months from the date thereof. By writ, &c.

DIDOT. 3rd October 1814.

3845. A grant unto AMBROISE FIRMIN DIDOT, of Holborn, in the county of Middlesex, gentleman, in consequence of a communication made to him by a certain foreigner residing abroad, for an improvement in the method of making

types or characters to be used in the art of printing ; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within six calendar months from the date thereof.

By writ, &c.

SHAW. 3rd October 1814.

3846. A grant unto ABRAHAM SHAW, of Leicester, in the county of Leicester, glazier, vice and diamond manufacturer, for his invented apparatus for the better cutting of window plate and sheet glass ; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Gt Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within two calendar months from the date thereof.

By writ, &c.

SAMPSON. 3rd October 1814.

3847. A grant unto WILLIAM SAMPSON, of Acorn St, Bishopsgate St, London, millwright, for his invented certain improvements for raising water ; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britn and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within six calendar months from the date thereof. By writ, &c.

PHILLIPS. 5th October 1814.

3848. A grant unto RICHARD PHILLIPS, of Newbury, in the cõy of Berks, engineer, for his invented or found out certain improvements in a plough ; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute ; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

LONGHURST. 1st Nov. 1814.

3849. A grant unto JAMES LONGHURST, for his invented Æolian organ or barrell organ, with a self acting swell ; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within 2 calendar months from the date thof. By writ, &c.

WALTERS. 7th Nov. 1814.

3850. A grant unto JOHN WALTERS, of Fenchurch Buildings, in the city of London, architect and civil engineer, for his invented certain improvements in the construction and fastening of frame timbers or binds of ships or vessels, whether building or under repair; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within four calendar months from the date thereof.

By writ, &c.

HOWARD. 10th Nov. 1814.

3851. A grant unto WILLIAM HOWARD, of Old Brentford, in the parish of Ealing, in the county of Middlesex, gentleman, for his invented improved apparatus or gear for working the pumps on board ships, which may also be applied to churning and various other useful purposes on shore; to hold to him, his exors, admors, & assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within 6 calendar months from the date thereof.

By writ, &c.

DIDOT. 10th Nov. 1814.

3852. A grant unto LEGER DIDOT, of Church S^t^, Paddington, in the county of Middx, gent., for his invented certain improvem^ts^ in the method or means of illuminating apartments or places by the combination of tallow or other inflammable materials; to hold to him, his ex̃ors, adm̃ors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within 6 calendar months from the date thereof. By writ, &^c^.

BENECKE. 12th Nov. 1814.

3853. A grant unto WILLIAM BENECKE, of Deptford, in the county of Kent, gentleman, for his improved method of manufacturing verdegrise, of the same quality as that known in commerce by name of French verdegrise; to hold to him, his ex̃ors, adm̃ors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within six calendar months from the date thereof. By writ, &^c^.

MASSEY. 17th Nov. 1814.

3854. A grant unto EDWARD MASSEY, of the city of Coventry, in the cõy of Warwick, watchmaker, for his invented chronometers and pocket watches; to hold to him, his ex̃ors, adm̃ors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within six calendar months from the date thereof. By writ, &^c^.

HALL. 17th Nov. 1814.

3855. A grant unto HORACE HALL, of Golden Square, in the county of Middlesex, merchant, in consequence of a communication made to him by a certain foreigner residing abroad he is become possessed of an improved method of preparing and spinning hemp, flax, and other substances containing fibre; to hold to him, his ex̃ors, adm̃ors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within six calendar months from the date thereof. By writ, &^c^.

BARLOW. 22nd Nov. 1814.

3856. A grant unto ROBERT BARLOW, late of Spring Gardens, in the cõy of Midx, but now of Francis Street, in the cõy of Surrey, surgeon, for his invented machine or instrument called the hydrostatic self blowing machine; to hold to him, his ex̃ors, adm̃ors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within 2 calendar months from the date thereof. By writ, &^c^.

DICKINSON. 28th Nov. 1814.

3857. A grant unto ROBERT DICKINSON, of Great Queen Street, in the county of Middlesex, esq^r^, for his invented certain improvements in the art of sadlery; to hold to him, his ex̃ors, adm̃ors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within six calendar months from the date thereof. By writ, &^c^.

DICKINSON. 10th Dec. 1814.

3858. A grant unto ROBERT DICKINSON, of Great Queen Street, in the county of Middlesex, esq^r^, for his invented certain improvements in the manufacture of barrels and other packages made of iron or other metals; to hold to him, his ex̃ors, adm̃ors, and assigns, within that part of our united

kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within six calendar months from the date thof. By writ, &c.

Salmon. 10th Dec. 1814.

3859. A grant unto Robert Salmon, of Woburn, in the county Bedford, surveyor, for his invented improved movements and combinations of wheels for working of cranes, mills, and all sorts of machinery, either portable or fixed ; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within two calendar months from the date thof. By writ, &c.

Glover. 10th Dec. 1814.

3860. A grant unto Edward Glover, of Penton Place, Walworth, in the county of Surry, gentleman, for his invented apparatus for drawing or extracting bolts, nailes, &c, and for various other useful purposes ; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute ; with a clause to inroll the same within six calendar months from the date thereof. By writ, &c.

Winter. 12th Dec. 1814.

3861. A grant unto Henry Julius Winter, of Dover Street, in the county of Kent, confectioner, for his invented method of giving effect to various operating processes ; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within six calendar months from the date thereof. By writ, &c.

Dyer. 15th Dec. 1814.

3862. A grant unto Joseph C. Dyer, of Boston, state of Massachusetts, one of the United States, now residing at Gloucester Place, Camden Town, in the county of Middlesex, merchant, in consequence of certain improvements by himself, and of a communication made to him by a certain foreigner residing abroad, he is in possession of certain additions to and improvements on machinery, to be made and applied in manufacturing cards for carding wool, cotton, silk, and tow, and other fibrous materials of the like description ; to hold to him, his exors, admors, & assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within six calendar months from the date thereof. By writ, &c.

Wyatt. 15th Dec. 1814.

3863. A grant unto John Francis Wyatt, of Furnivals Inn, engineer, for his invented new kind of bricks or blocks, one of which is particularly adapted for the fronts of houses and other buildings, giving to them the appearance of stone ; another is applicable to a new method of bonding brickwork ; also a new kind of blocks or slabs, for paving floors and facing or lining walls, instead of ashler, which will resemble marble or stone, and which may also be applied to steps or stairs and other parts of buildings ; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

Von Doornick. 20th Dec. 1814.

3864. A grant unto William Everhard Baron Von Doornick, of Sun Street, Bishopsgate Street, London, for his invented improvement in the manufacture of soap ; to hold to him, his exors, admors, & assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute ; with a clause to inroll the same within six calendar months from the date thereof. By writ, &c.

Smith. 20th Dec. 1814.

3865. A grant unto James Smith, of Newark-upon-Trent, in the cty of Nottingham, cabinet maker, for his invented improved self acting sash fastening ; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute ; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

Dickinson. 20th Dec. 1814.

3866. A grant unto Robert Dickinson, of Great Queen Street, in the cty of Middx, esquire, for his invented certain improvements in implements applicable to the purposes of navigation, namely, an improvement or improvements in the implement called the sounder, and an improvement or improvements in the ships nunbuoy and bacon buoy ; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within six calendar months from the date thereof. By writ, &c.

Vallance. 20th Dec. 1814.

3867. A grant unto John Vallance junior, of Brighthelmston, in the county of Sussex, brewer, for his invented apparatus and method of so constructing and securing brewers vatts or store casks as to prevent the vatts falling to pieces or even breaking, tho' every one of the hoops on it should be broken in sunder, and consequently preventing any beer from being lost ; and also for preventing the loss of any beer, even if a cock or all the cocks of the vatt should be broken off ; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within six calendar months from the date thereof. By writ, &c.

Koenig. 24th Dec. 1814.

3868. A grant unto Frederick Koenig, of Castle St, Finsbury Square, in the cty of Midx, painter, for his invented certain further improvements on his method of printing by means of machinery ; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within eighteen calendar months from the date thereof. By writ, &c.

Jorden. Cooke. 24th Dec. 1814.

3869. A grant unto Edward Jorden, of Norwich, engineer, and Wm Cooke, of the same place, machine maker, for their invented apparatus for the detection of depredators, which they denominate the thieves alarum ; to hold to them, their exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within six calendar months from the date thereof. By writ, &c.

White. 27th Dec. 1814.

3870. A grant unto John White, of New Compton Street, Soho, in the cõy of Miđx, gentleman, for his invented new and improved method of making candles; to hold to him, his exors, adm̃ors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

Harries. 4th Jan. 1815.

3871. A grant unto Joseph Harries, of Shire Lane, in the liberty of the Rolls and cõy of Middlesex, army accoutrement maker, for his inventment or improvements in necessaries or clothing used for the military in general; to hold to him, his exors, ads, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within six calendar months from the date thereof. By writ, &c.

Dihl. 6th Jan. 1815.

3872. A grant unto Christoph Dihl, of Brewers Street, Golden Sqr, in the cõy of Midđx, esqr, for his invented method or means of making a mastic cement or composition, which he denominates Dihls mastic; to hold to him, his exors, adm̃ors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within fifteen calendar months from the date thereof. By writ, &c.

Cuttler. 6th Jan. 1815.

3873. A grant unto John Cuttler, of Great Queen Street, Lincolns Inn Fields, in the cõy of Midđx, iron founder, for his invented certain improvements applicable to fire places, stoves, &c; to hold to him, his exors, adm̃ors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within six calendar months from the date thereof. By writ, &c.

Collier. 16th Jan. 1815.

3874. A grant unto James Collier, of West Pimlico, in the cõy of Middlesex, in consequence of a communication made to him by the late Joseph Montgofier, a foreigner, then residing abroad, hath become possessed of the method or means of making an invention of an apparatus, machine, or instrument, intended to be denominated a "criopyrite," by means of which power will be very economically obtained and advantageously applied to the raising of water; to hold to him, his exors, adm̃ors, and ass, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within six calendar months from the date thereof. By writ, &c.

De Chabannes. 16th Jan. 1815.

3875. A grant unto Jean Frederic Marquis de Chabannes, of Thayer Street, Manchester Square, in the cõy of Midđx, for his invented and brought to perfection a new method of extracting from fuel a greater quantity of caloric than hath hitherto been acquired, & applying it to the purpose of warming the room in which the operation is conducted, and also other rooms, by one single fire; to hold to him, his exors, adm̃ors, and assigns, within that part of our united kingdom of Great Britain and Ireland, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within six calendar months from the date thereof. By writ, &c.

RONDONI. 20th Jan. 1815.

3876. A grant unto JEAN RONDONI, of Oxford Street, in the cõy of Middlesex, gentleman, in consequence of a communication made to him by a certain foreigner residing abroad he is in possession of certain improvements in the construction of dioptric telescopes; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within six calendar months from the date thereof.

By writ, &c.

CARPENTER. 20th Jan. 1815.

3877. A grant unto JOHN CARPENTER, of Truro, in the cõy of Cornwall esquire, for his invented knapsack, which prevents the wet coming between it and the back, and a pouch in front suspended from the shoulder straps of said knapsacks as to counteract its weight; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of 14 yrs pursuant to the statute; with a clause to inroll the same within six calendar months from the date thereof. By writ, &c.

MILLER. 28th Jan. 1815.

3878. A grant unto JAMES MILLER, late of Craigend, in the cõy of Stirling, now of Liverpool, distiller, for his invented, discovered, and found out certain improvements in the construction of stills, furnaces, chimnies, and other apparatus connected with the art of distillation; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within six calendar months from the date thereof. By writ, &c.

WOOD. 4th Feb. 1815.

3879. A grant unto JOHN WOOD, of Manchester, in the cõy of Lancaster, clock maker, for his invented certain improvements in machinery, used for preparing and spinning cotton, wool, and various other articles; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within six calendar months from the date thereof. By writ, &c.

TAYLOR. TAYLOR. 4th Feb. 1815.

3880. A grant unto JOSEPH TAYLOR and PETER TAYLOR, both of Manchester, in the county of Lancaster, machine makers, for their invented certain improvement in a loom to be used in weaving cotton, worsted, silk, or other cloth made of any two or more of the said materials; to hold to them, their exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

THOMSON. 4th Feb. 1815.

3881. A grant unto JAMES THOMSON, of Primrose Hill, near Clithero, in the cõy of Lancaster, calico printer, for his invented and brought to perfection certain improvements in the process of printing cloth made of cotton or linen, or both; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

GRIFFITH. 7th Feb. 1815.

3882. A grant unto WILLIAM GRIFFITH, of Giltspur Street, West Smithfield, in the city of London and cõy of Middx, ironmonger and factor, for his invented improved toast stand; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within six calendar months from the date thereof. By writ, &c.

TOMLINSON. 9th Feb. 1815.

3883. A grant unto RICHARD JONES TOMLINSON, of Bristol, in the cõy of Somerset, iron master, for his invented certain improvements in the method of framing, constructing, or putting together the roofs of buildings, or the parts thereof; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

MOULT. 13th Feb. 1815.

3884. A grant unto WILLIAM MOULT, of Bedford Square, in the cõy of Middlesex, for his invented improved mode of evaporation and sublimation; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within six calendar months from the date thereof. By writ, &c.

DYER. 21st Feb. 1815.

3885. A grant unto JONAH DYER, of Wootton-under-Edge, in the cõy of Gloucester, machine maker and engineer, for his invented improved frame machine for shearing of woollen cloth; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

BURRELL. 21st Feb. 1815.

3886. A grant unto JOSEPH BURRELL, of Thetford, in the county of Norfolk, smith and founder, for his found out and discovered invention, to be used as a support and safe guard in getting in and out of chaises, curricles, and other two wheeled carriages; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

DODDS. STEPHENSON. 28th Feb. 1815.

3887. A grant unto RALPH DODDS and GEORGE STEPHENSON, of Kellingworth, in the cõy of Northumberland, engineers, for their invented various improvements in the construction of locomotive engines; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

BROWN. 28th Feb. 1815.

3888. A grant unto SAMUEL BROWN, of Mark Lane, London, commander in our royal navy, for his invented rudder, and certain apparatus connected therewith, for governing ships and vessels of all descriptions with much more certainty and effect, and for producing various advantages not hitherto practised or known; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England,

our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

ADAMS. 7th March 1815.

3889. A grant unto DUDLEY ADAMS, of Fleet Street, in the city of London, optician and mathematical instrument maker, for his invented certain improvements in the construction of paper and vellum tubes for telescopes, and in optical parts of telescopes ; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

DEAKIN. 7th March 1815.

3890. A grant unto THOMAS DEAKIN, of Ludgate Hill, in the city of London, formerly ironmonger, for his invented portable kitchen ; to hold to him, his exors, admors, & assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within six calendar months from the date thereof. By writ, &c.

MITCHELL. LAWTON. 7th March 1815.

3891. A grant unto WILLIAM MITCHELL, of Glasgow, in that part of the united kingdom called Scotland, watch maker, and JOHN LAWTON, of King Street, Snow Hill, in the city of London, manufacturer, for their improved lock and key, applicable to various purposes ; to hold to them, their exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within six calendar months from the date thereof. By writ, &c.

WOOD. 9th March 1815.

3892. A grant unto WILLIAM WOOD, of Shadwell, in the county of Middlesex, shipwright, for his invented manufacture of a material or materials, and the application thereof to the more effectually making water tight and sea worthy ships and all other vessels, which he denominates "adhesive felt" ; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within six calendar months from the date thereof. By writ, &c.

BEVERIDGE. 14th March 1815.

3893. A grant unto ELIZABETH BEVERIDGE, of Hatton Garden, in the city of London, for her invented improved bedstead ; to hold to her, her exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

MILLS. 14th March 1815.

3894. A grant unto JOHN MILLS, of Hollywell Street and Saint Clements Church Yard, Strand, in the county of Middlesex, stay and corset maker, for his invented or found out improved elastic stays for women and children ; and also to give relief to women and children in a state of pregnancy ; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

DICKINSON. 14th March 1815.

3895. A grant unto ROBERT DICKINSON, of Great Queen Street, Lincolns Inn Fields, in the cõy of Middlesex, esquire, for his invented certain improvements in the making or fabrication of sundry tools, implements, or articles used in various arts or manipulations or the ordinary occasions of life ; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within six calendar months from the date thereof. By writ, &c.

BELL. 14th March 1815.

3896. A grant unto WILLIAM BELL, of Edinburgh, in that part of our united kingdom called Scotland, writer to our signet, for his invented certain improvements in the apparatus for copying manuscripts or other writings or designs ; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

RIDGWAY. 14th March 1815.

3897. A grant unto JONATHAN RIDGWAY, of Manchester, in the cõy of Lancaster, plumber, for his invented and brought to perfection a method of casting and fixing, at the same time, metallic types on the surface of metallic cylinders or metallic rollers, or any cylinders or rollers having metallic surface, or on blocks of metal, or on blocks having metallic surfaces, or on flat metallic plates, for the purpose of printing patterns on cloth made of cotton or linen, or both ; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

POTTS. 14th March 1815.

3898. A grant unto THOMAS POTTS, of Batchworth Mills, Rickmonsworth, in the county of Herts, half stuff manufacturer, for his invented new mode or means of combining and applying principles already known to the purpose of producing pure and fresh warm air, and of such mode or means of combination and application of principles already known to such purposes as aforesaid ; to hold to him, his exors, ads, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within six calendar months from the date thereof. By writ, &c.

HOULDWORTH. 18th March 1815.

3899. A grant unto HENRY HOULDWORTH, of Anderston, near the city of Glasgow, civil engineer, for his invented new method of discharging the air, or air and condensed steam, from pipes used for the conveyance of steam for the purpose of heating buildings or other places ; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

GENT. CLARK. 21st March 1815.

3900. A grant unto CHARLES GENT, of Congleton, in the county palatine of Chester, silk throwster, and SQUARE CLARK, of the same place, whitesmith, for their found out and invented new method of making a swift, and other apparatus thereto belonging, for the purpose of winding silks ; to hold

to them, their exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

SMITH. 29th March 1815.

3901. A grant unto RICHARD SMITH, of Tibbington House, in the county of Stafford, ironmaster, for his invented improvements in smelting iron stone, or iron ore, lead ore, copper ore, and other minerals or metallic substances; also of refining crude iron, lead, copper, gold, silver, tin, and all other mettals or metallic bodies, and of making and manufacturing iron ; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within six calendar months from the date thereof. By writ, &c.

RIDGWAY. 4th April 1815.

3902. A grant unto JONATHAN RIDGWAY, of Manchester, in the county of Lancaster, plumber, for his invented and brought to perfection an improved roller, to be used in printing cloth made of cotton or linen ; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

PALMER. 4th April 1815.

3903. A grant unto WILLIAM VAUGHAN PALMER, of Ilminster, in the county of Somerset, esquire, for his invented improved method of twisting and laying of hemp, flax, ropes, twyne, line thread, mohair, wool, cotton, silk, and metals by machinery, whereby considerable saving of manual labour is effected ; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

BAGOT. 4th April 1815.

3904. A grant unto THOMAS BAGOT, of Birmingham, in the cõy of Warwick, surveyor, for his invented improved method and machine for passing boats, barges, and other vessels from a higher to a lower level, and the contrary, without loss of water ; to hold to him, his exors, administrators, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within three calendar months from the date thereof. By writ, &c.

LOSH. 8th April 1815.

3905. A grant unto WILLIAM LOSH, of Point Pleasant, in the parish of Walls, in the county of Northumberland, iron founder, for his invented new plan, for fire places or furnaces, for heating ovens and boilers and the water or other liquids contained in such boilers, and for converting such water or other liquids into steam for the purpose of working engines, and for other uses in manufacture; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

Shaw.
15th April 1815.

3906. A grant unto Joshua Shaw, of Mary Street, Fitzroy Square, in the cõy of Midx, artist, for his invented certain improvements in the tool or instrument called the glazier's diamond; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within six calendar months from the date thereof. By writ, &c.

Bell.
18th April 1815.

3907. A grant unto William Bell, of Birmingham, in the county of Warwick, engineer, for his discovered new and improved method of making and manufacturing wire of every description; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within two calendar months from the date thereof.

By writ, &c.

Billingsley.
20th April 1815.

3908. A grant unto Michael Billingsley, of Bowling Iron Works, in the parish of Bradford, in the county of York, engineer, for his invented certain improvements in the steam engine; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

Pauly.
Egg.
25th April 1815.

3909. A grant unto Samuel John Pauly, of Charing Cross, in the county of Middlesex, civil engineer, and Durs Egg, of the Strand, in the same county of Middlesex, gun manufacturer, for their invented and brought to perfection certain aerial conveyances, and vessels to be steered by philosophical or chemical or mechanical means, and which means are also applicable to the propelling of vessels through the water, and carriages or other conveyances by land; to hold to them, their exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within six calendar months from the date thereof. By writ, &c.

Wilson.
27th April 1815.

3910. A grant unto Jacob Wilson, of Welbeck Street, in the parish of Saint Mary-le-bone, in the county of Middlesex, cabinet maker and upholsterer, for his invented certain improvements in bedsteads and bed furniture; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within six calendar months from the date thereof.

By writ, &c.

Bush.
29th April 1815.

3911. A grant unto William Bush the younger, of Saffron Walden, in the county of Essex, surveyor, for his invented method for preventing accidents from horses falling with two wheeled carriages, especially on steep declivities, superior to any hitherto known or in use; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within two calendar months from the date thereof.

By writ, &c

MARTINEAU.
MARTINEAU.
8th May 1815.

3912. A grant unto PETER MARTINEAU junior, of Cannonbury House, Islington, in the county of Middlesex, and JOHN MARTINEAU junior, of Stamford Hill, in the said county, gentleman, for their invented new method or methods of refining and clarifying certain vegetable substances; to hold to them, their exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within six calendar months from the date thereof. By writ, &c.

PITT.
11th May 1815.

3913. A grant unto CHARLES PITT, in the Strand, in the city of Westminster and county of Middlesex, surveyor, for his invented method or methods for the security and safe conveyance of small parcels and remittances of property of every description; and also for the security in the formation or appendage of shoes; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within six calendar months from the date thereof. By writ, &c.

PRATT.
11th May 1815.

3914. A grant unto SAMUEL PRATT, of N° 119, Holborn Hill, in the county of Middlesex, and of N° 40, Holborn Hill, in the city of London, trunk maker, for his invented and found wardrobe trunk, for travellers; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

MACCARTHY.
11th May 1815.

3915. A grant unto JOHN JAMES ALEXANDER MACCARTHY, of Arlington Street, in the parish of Saint George, Hanover Square, in the cōy of Middlesex, sculptor, for his invented new pavement or coving, for a method of paving, pitching, or covering streets, roads, and ways; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within six calendar months from the date thereof. By writ, &c.

KENRICK.
23rd May 1815.

3916. A grant unto ARCHIBALD KENRICK, of West Bromwich, in the county of Stafford, founder, for his invented certain improvements in the mills used for grinding coffee, malt, and other articles; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within six calendar months from the date thereof. By writ, &c.

RIDGWAY.
26th May 1815.

3917. A grant unto JONATHAN RIDGWAY, of Manchester, in the county of Lancaster, plumber, for his invented new method of pumping water or other fluids; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within six calendar months from the date thereof. By writ, &c.

PUGH.
26th May 1815.

3918. A grant unto JOHN PUGH, of Over, in the parish of Whitegate, in the county of Chester, salt proprietor, for his invented new method of making of salt pans, upon an improved principle, to save fuel and labour; to hold to him,

his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

LINGFORD. 1st June 1815.

3919. A grant unto JOHN LINGFORD, of Woburn Place, Russell Square, in the parish of St George, Bloomsbury, in the cty of Middlesex, gentleman, for his invented anatomical self regulating truss, consisting of a three quarter or circular spring, with an angular moveable joint, and end piece with joint and additional spring, to act occasionally with a moveable pad of various shapes agreeable to the form of the afflicted parts of the body, and with elastic spring covering ; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

KILBY. 1st June 1815.

3920. A grant unto JOHN KILBY, of the city of York, brewer, for his improvement or improvements in the art of brewing malt liquors ; to hold to him, his exors, admors, & assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within six calendar months from the date thereof. By writ, &c.

STEVENS. 3rd June 1815.

3921. A grant unto BENJAMIN STEVENS, of No 42, Judd Street, St Pancras, in the cty of Midx, gentleman, for his invented improved method of making marine and domestic hard and soft soap ; to hold to him, his exors, admors, and assss, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within six calendar months from the date thereof. By writ, &c.

TREVITHICK. 6th June 1815.

3922. A grant unto RICHARD TREVITHICK, of Camborne, in the county of Cornwall, esqr, for his invented certain improvements on the high pressure steam engine, and the application thereof, with or without other machinery, to useful purposes ; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within six calendar months from the date thereof. By writ, &c.

JORET. POSTEL. COMPTISE. 8th June 1815.

3923. A grant unto JULIEN JORET, of Wells Street, Oxford Street, sweep washer, JOHN POSTEL, of Great Suffolk Street, Charing Cross, in the parish of St Martin-in the-Fields, in the cty of Middx, gent., and LEWIS COMPTISE, of Batemans Buildings, in the parish of St Anns, Soho, in the cty of Middlesex, jeweller, in consequence of a communication to them by a foreigner residing abroad, for a method of extracting gold and silver from the cinders of gold refines and other substances, by means of certain curious machinery ; to hold to them, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

RICHTER. 10th June 1815.

3924. A grant unto JOHN RICHTER, of Holloway, in the county of Midx, for his invented improved method of clarifying & purifying certain fluids, & also for certain means of facilitating evaporation, and also rendering the vapour thereof less noxious in certain cases ; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed, for the term of 14 years pursuant to the statute ; with a clause to inroll the same within six calendar months from the date thereof.

By writ, &c.

WHITLOW. 14th June 1815.

3925. A grant unto CHARLES WHITLOW, now of New York Coffee House, Sweetings Alley, in the coy of Midx, botanist, for his invented improved working or making of certain manufactures from certain plants of the genus urtica & asclipius, growing in North America, and not heretofore used in this realm, whereby the fabricks or products usually had, made, or obtained from hemp, flax, cotton, silk, and other the like fibrous materials, or the seeds on the parts thereof, may be beneficially had, made, or obtained ; to hold to him, his exors, ads, & assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within six calendar months from the date thereof.

By writ, &c.

GARDNER. 14th June 1815.

3926. A grant unto JAMES GARDNER, of Banbury, in the coy of Oxford, machine maker, for his invented certain improvements on a machine for cutting hay and straw ; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

POPE. 14th June 1815.

3927. A grant unto WILLIAM POPE, of St Augustins Place, in the city of Bristoll, perfumer, for his invented certain improvements in or on wheeled carriages ; and also the method or methods of making the sd carriages go with or without the assistance of animals, which method or methods may be applied to other purposes ; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within 12 calendar months from the date thereof. By writ, &c.

BROWN. 14th June 1815.

3928. A grant unto ROBERT BROWN, of Burnham Westgate, in the coy of Norfolk, iron founder, for his invented certain improvements upon the swing wheel ploughs, plough carriages, and plough shares ; to hold to him, his exors, admors, and ass^{s}, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute ; with a clause to inroll the same within six calendar months from the date thereof.

By writ, &c.

TAYLOR. 14th June 1815.

3929. A grant unto JOHN TAYLOR, of Stratford, in the coy of Essex, manufacturing chemist, for his invented or found out mode or means of producing gas to be used for the purpose of affording light ; to hold to him, his exors, ads, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed, for the term of 14 years pursuant to the statute ; with a clause to inroll the same within two calendar months from the date thereof.

By writ, &c.

SERVICE. 17th June 1815.

3930. A grant unto GRACE ELIZABETH SERVICE, of Arnold Place, Newington, in the county of Surry, spinster, for her new method of manufacturing straw with gauze net web, and other similar articles, for the purpose of making into hats, bonñts, work boxes, work bags, toilet boxes, and other articles; to hold to her, her exors, adm̃ors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

SILVESTER. 22nd June 1815.

3931. A grant unto CHARLES SILVESTER, of Derby, in the county of Derby, engineer, for his invented various improvements in the texture of bobbin lace; to hold to him, his exors, adm̃ors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

DICKINSON. 22nd June 1815.

3932. A grant unto ROBERT DICKINSON, of Great Queen Street, Lincolns Inn Fields, in the county of Middlesex, esq^{r}, for his invented mean or means for facilitating the propulsion and for the safety of boats or other vessels through the water; to hold to him, his exors, adm̃ors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within six calendar months from the date thereof. By writ, &c.

TAYLOR. 22nd June 1815.

3933. A grant unto JOHN TAYLOR, of Stratford, in the co^{y} of Essex, manufacturing chemist, for his invented certain method or methods of purifying and refining sugar; to hold to him, his exors, adm̃ors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

BAINES. 22nd June 1815.

3934. A grant unto ROBERT RAINES BAINES, of the lordship of Myton, in the county of the town of Kingston-upon-Hull, glue manufacturer, for his invented or found out an improvement or improvements in the construction of vertical windmill sails; to hold to him, his exors, ad^{s}, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within six calendar months from the date thereof. By writ, &c.

BALDEN. BURTENSHAW. 24th June 1815.

3935. A grant unto SAMUEL BALDEN, of Riddith, in the co^{y} of Worcester, miller, and JOHN BURTENSHAW, of Green Street, Bennetts Row, Blackfriars Road, in the cõy of Surrey, oven builder, for their invented machine or instrument for the better heating ovens; to hold to him, his exors, adm̃ors, and assigns, within that part of our united kingdom of Great Britain and Ireland called our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within six calendar months from the date thereof. By writ, &c.

SMITH. 29th June 1815.

3936. A grant unto SAMUEL JOHN SMITH, of Gaythorn, Manchester, in the county of Lancaster, dyer, for his invented improved method of staining, printing, or dying on silk, woollen, cotton yarn, or goods manufactured of cotton; to hold to him, his exors, adm̃ors, and assigns, within that part of our

united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within six calendar months from the date thereof. By writ, &c.

CONGREVE. 3rd July 1815.

3937. A grant unto Sir WILLIAM CONGREVE, bart., of Parliament Street, in the city of Westminster and county of Middlesex, for his invented new mode of manufacturing gunpowder; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within six calendar months from the date thereof. By writ, &c.

BEAVAN. BEAVAN. 12th July 1815.

3938. A grant WILLIAM BEAVAN the younger, of Morriston, in the coy of Glamorgan, gentleman, and MARTIN BEAVAN, of Riscor, near Newport, in the coy of Monmouth, gent., for their invented certain improvements in the construction of furnaces, and their contingent apparatus, for the purpose of smelting copper and other ores, and the making of copper and other mettals; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within six calendar months from the date thereof. By writ, &c.

LEWIS. 15th July 1815.

3939. A grant unto WILLIAM LEWIS, of Brimscomb, in the coy of Gloucester, dyer, for his invented new improved principle of erecting racks for the purpose of racking woollen cloth and other articles; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

COLDRIDGE. 18th July 1815.

3940. A grant unto CHARLES COLDRIDGE, of the city of Exeter, ironmonger, for his invented great, and apparatus; to hold to him, his exors, ads, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

COPLAND. 21st July 1815.

3941. A grant unto ROBERT COPLAND, of Liverpool, in the county of Lancaster, merchant, for his invented means of effecting a saving in the consumption of fuel; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within ten calendar months from the date thereof. By writ, &c.

MANTON. 21st July 1815.

3942. A grant unto JOHN MANTON, of Davies Street, Piccadilly, in the coy of Middlesex, gun maker, for his invented improvemt in the construction of hammers and pans to the locks of all kinds of fowling pieces and fire arms; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within 2 calendar months from the date thereof. By writ, &c.

MADELEY. 27th July 1815.

3943. A grant unto WILLIAM MADELEY, in the parish of Yardley, in the county of Worcester, farmer, for his improved drilling machine for drilling beans, turnips, peas, pulse, corn, and seeds of every description; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within six calendar months from the date thof. By writ, &c.

MUSHET. 27th July 1815.

3944. A grant unto DAVID MUSHET, of Coleford, in the county of Gloucester, iron master, for his invented improvement or improvements in the process or processes of making or manufacturing iron; to hold to him, his exors, ads, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within six calendar months from the date thereof. By writ, &c.

LEWIS. 27th July 1815.

3945. A grant unto JOHN LEWIS, of Brimscomb, in the county of Gloucester, clothier, for his invented improved shearing machine; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

PELLETAN. 3rd August 1815.

3946. A grant unto PIERRIE PELLETAN, for his invented new method of making sulphuric acid, commonly called oil of vitrol; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed, for the term of fourteen years pursuant to the statute; with a clause to inroll the same within six calendar months from the date thereof. By writ, &c.

HARVEY. 4th August 1815.

3947. A grant unto JOSEPH HARVEY, of Long Lane, in the parish of Saint Mary Magdalen, Bermondsey, in the cõy of Surry, turner, for his invented machine for better striking and finishing of leather; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

EDRIDGE. 4th August 1815.

3948. A grant unto WILLIAM EDRIDGE, of Rotherhithe, in the cõy of Surry, brass founder, for his invented engine, pump, or fire engine; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within six months from the date thereof. By writ, &c.

STREET. 11th August 1815.

3949. A grant unto JOHN STREET, of Clifton, in the cõy of Gloucester, esquire, for his invented certain further improvements in the mode of making & working bellows; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

DIXON.
11th August 1815.

3950. A grant unto RICHARD DIXON, of High Holborn, in the cõy of Midx, trunkmaker, for his invented improvement or improvements in the construction of trunks and portmanteaus of various descriptions, and in the application of materials hitherto unused in the construction thereof; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within six calendar months from the date thereof. By writ, &c.

PRICE.
12th August 1815.

3951. A grant unto STEPHEN PRICE, of Stroud, in the cõy of Gloucester, for his invented improved machine for shearing or cropping woollen or other cloths that may require such a process, which he conceives will be of great public utility; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within 2 calendar months from the date thereof. By writ, &c.

EDWARDS.
15th August 1815.

3952. A grant unto JOHN EDWARDS, of Canterbury Buildings, Lambeth, in the cõy of Surry, gentleman, for his invented method or means of preventing leakage in ships, boats, and other vessels; to hold to him, his exors, admors, & assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within six calendar months from the date thereof. By writ, &c.

CHISHOLM.
21st August 1815.

3953. A grant unto JOHN CHISHOLM, of Edinburgh, in that part of Great Britain called Scotland, for his invd or found out method of constructing register and other stoves; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

SAVORY.
23rd August 1815.

3954. A grant unto THOMAS FIELD SAVORY, of New Bond Street, in the cõy of Midx, chymist, for his discovered and combined neutral salt powder, which possesses all the properties of the medicinal spring at Seidlitz, in Germany, and which invention, so prepared by the petr under the name of the Seidlitz powder, he believes will be of general benefit and advantage; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within two calendar months from the date thof. By writ, &c.

BEMMAN.
23rd August 1815.

3955. A grant unto ROBERT WILLIAM BEMMAN, of Eldersfield, in the cõy of Worcester, farmer, for his invented various improvements in ploughs; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

CARPENTER.
23rd August 1815.

3956. A grant unto JAMES CARPENTER, of Willenhall, in the county of Stafford, curry comb maker, for his invented improvements to a curry comb, by inverting the handle over the back of the comb, and thus render the pres-

sure, when in use, more equal; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within 2 calendar months from the date thereof. By writ, &c.

Ashmore. 9th Sept. 1815.

3957. A grant unto Thomas Ashmore, now resident at Portland Hotel, Portland Street, in the coy of Middlesex, esquire, for his invented new mode of making leather; to hold to him, his exors, ads, & ass^{s}, within that p^{t} of our united kingdom of Great Brit^{n} & Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within six calendar months from the date thereof. By writ, &c.

Morton. 14th Nov. 1815.

3958. A grant unto George Morton, of Covent Garden, in the county of Middx, gentleman, for his invented mode of attaching horses to waggons, and all other 4 wheeled carriages; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within six calendar months from the date thereof. By writ, &c.

De Baader. 14th Nov. 1815.

3959. A grant unto Joseph de Baader, d^{r} of medicine, knight of the kingdom of Bavaria, for his invented improved plan of constructing rail roads, & carriages to be used on such improved rail roads, for the more easy, convenient, and expeditious conveyance of all sorts of goods, wares, merchandizes, persons, & all other articles usually or at any time removed in carriages of any construction whatever; to hold to him, his exors, ads, & assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of 14 y^{rs} pursuant to the statute; with a clause to inroll the same within six calendar months from the date thereof. By writ, &c.

Austin. Dutton. 23rd Nov. 1815.

3960. A grant unto George Austin, of Wootton-under-Edge, in the coy of Gloucester, esquire, and James Dutton the younger, of Hilsley, in the parish of Hawkesbury, in the said coy, clothier, for their invented certain improvements in the operation of fulling woollen cloth, and improvements in fulling mills for that purpose; to hold to them, their exors, ads, & ass^{s}, within that part of our united kingdom of G^{t} Brit^{n} and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of 14 yrs pursuant to the stat^{e}; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

Taylor. Gallafent. Gallafent. 25th Nov. 1815.

3961. A grant unto Allen Taylor, in the psh of Berking, in the county of Essex, gent., Daniel Gallafent sen^{r}, and Dan^{l} Gallafent jun^{r}, in the parish of Braintree, in the coy of Essex, for their invented and discovered engine for raising water, cold and hot liquor of every description; to hold to them, their exors, admors, & ass^{s}, within that p^{t} of our united kingdom of G^{t} Brit. & Ireland called England, our dominion of Wales, & town of Berwick-upon-Tweed for the term of 14 y^{rs} pursuant to the statute; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

Young. 5th Dec. 1815.

3962. A grant unto George Young, of Pauls Wharf, Thames Street, in the city of London, gentleman, for his discovered, brought to perfection an improved method of making peculiar species of canvas, which may be used more advantageously for military and other purposes than the canvas now in use;

to hold to him, his exors, admors, and asss, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within 2 calendar months from the date thereof. By writ, &c.

DE CHABANNS. 5th Dec. 1815.

3963. A grant unto JEAN FREDERICK Marques DE CHABANNS, of Russell Place, in the coy of Middlesex, for a method or methods of conducting the air and regulating the temperature in houses and other buildings, and warming and cooling either air or liquids, in a much more expeditious and consequently less expensive manner than hath hitherto been done within this kingdom, which is applicable to various useful purposes, and will be of great public advantage; to hold to him, his exors, admors, & asss, within that pt of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Bk-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within 2 calendar months from the date thereof. By writ, &c.

LEE. 5th Dec. 1815.

3964. A grant unto JAMES LEE, of Old Ford, in the coy of Midx, gent., for his invented certain improvements in the methods before invented by him of preparing hemp & flax for their various uses; and by which also other vegetable substances may be rendered applicable to many of the purposes for which hemp and flax are used; to hold, &c, 14 years; 15 months to inroll. By writ, &c.

DIHL. 5th Dec. 1815.

3965. A grant unto CHRISTOPH DIHL, of Frith Street, Soho, in the coy of Middx, in consequence of a communication made to him by a certain foreigner residing abroad is become possessed of certain improvements in the method or apparatus for distillation; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the stat.; with a clause to inroll the same within 6 calendar months from the date thereof. By writ, &c.

MALZEL. 5th Dec. 1815.

3966. A grant unto JOHN MALZEL, of Poland Street, in the coy of Middx, machinist, for his invented instrument or instruments, machine or machines, for the improvement or improvements of all musical performance, which he denominates a metronome or musical time keeper; to hold, &c; 6 months to inroll. By writ, &c.

REDMUND. 9th Dec. 1815.

3967. A grant unto DAVID REDMUND, of Johnsons Ct, Fleet St, in the city of London, & coy of Middx, machinist, for his invent^d new improved machine for the manufacure of cocks and bungs; 6 months to inroll. By writ, &c.

CLEGG. 9th Dec. 1815.

3968. A grant unto SAMUEL CLEGG, of the Gas Works, Peter Street, Westminster, in the coy of Midx, engineer, for his invented improved gas apparatus; to hold, &c, 14 years; six months to inroll. By writ, &c.

KINDER. 19th Dec. 1815.

3969. A grant unto ROBERT KINDER, of Hill Street, Liverpool, in the coy of Lancaster, gentleman, for his improved method or means of propelling ships, boats, and other vessels; 2 months to inroll. By writ, &c.

DICKINSON. 19th Dec. 1815.

3970. A grant unto ROBERT DICKINSON, of Great Queen St, Lincolns Inn Fields, in the coy of Midx, esqr, for his inv^d improvement or improvements in the hoops or hooping of barrels; to hold, &c, 14 years; 6 mos. By writ, &c.

PLENTY. 22nd Dec. 1815.

3971. A grant unto WILLIAM PLENTY, of Newbury, in the cõy of Berks, iron founder, for his invented plough or agricultural implement, made on a new or improved principle, and answering a two fold purpose, so that land or ground may be thereby both pared & ploughed: to hold, &c, 14 years; 2 mõs. By writ, &c.

ADAMSON. 22nd Dec. 1815.

3972. A grant unto WILLIAM ADAMSON, of the parish of St Geo., Hanover Square, London, in the cõy of Midx, gent., for his discovered principle by w̃ch an horizontal wheel may be so moved about its axis by water as to give it a power considerably greater than can be obtained by the application of water to a wheel in any other position; to hold to him, his ex̃ors, adm̃ors, & asss, within that part of our united kingdom of Gt Britain & Ireland called England, our dominion of Wales, and town of Bk-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within 2 calendar months from the date thereof. By writ, &c.

REYNOLDS. 9th Jan. 1816.

3973. A grant unto JOSEPH REYNOLDS, of Kitley, in the parish of Wilting, in the county of Salop, esqr, for his invented certain improvements in the construction of wheel carriages, and of ploughs and other implements used in husbandry, to be moved by steam, heated air, or vapours; to hold, &c; two months to inroll. By writ, &c.

COWPER. 10th Jan. 1816.

3974. A grant unto EDWARD COWPER, of the parish of Mary, Newington Butts, ironmonger and machinist, for his invented method of printing paper for paper hanging & other purposes; to hold, &c; 6 months to inroll. By writ, &c.

DEAKIN. HAYNES. 15th Jan. 1816.

3975. A grant unto THOMAS DEAKIN, of Ludgate Hill, in the city of London, furnishing ironmonger, and JOHN RICHARD HAYNES, of St John Street, in the cõy of Midx, furnishing ironmonger, for their invd new & improved stove, grate, or fire place; to hold, &c; 6 mos. By writ, &c.

BARRON. 23rd Jan. 1816.

3976. A grant unto JAMES BARRON, of Wells Street, Oxford St, in the cõy of Midx, brass founder, for his invented improvement or improvements on castors; to hold to him, his ex̃ors, ads, & assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

MILLINGTON. 1st Feb. 1816.

3977. A grant unto JOHN MILLINGTON, of Duke Street, Manchester Sqr, in the cõy of Midx, engineer, for his invd certain machinery, to be moved by wind, steam, manual labour, or any of the process now employed for moving machinery, by means of which boats, barges, and other floating vessels may be propelled or moved in the water; to hold, &c; 6 mos.

DRUKE. 3rd Feb. 1816.

3978. A grant unto JOHN GEORGE DRUKE, of Chapman Street, Pentonville, in the cõy of Midx, chemist, for his invd certain method of expelling the molasses of syrup out of refined sugars, in a shorter period than is at present practised with pipe clay; to hold, &c; 6 mos.

BUDGEON. 3rd Feb. 1816.

3979. A grant unto JOHN BUDGEON, of Dartford, in the cõy of Kent, paper maker, for his invtd process for reducing rags, or articles composed of silk, linen, or cotton, after they have been used, & bringing them into their orgl state, & rendering the material of which they were composed fit to be manufactured & again applied to beneficial & useful purposes; to hold, &c; 2 mos.

DAWES. 6th Feb. 1816.

3980. A grant unto JOHN THOMAS DAWES, of West Broomwick, in the cõy of Stafford, iron master, for his invented certain improvements in steam engines, some of which improvements are applicable to other useful purposes; to hold to him, his exors, admors, & assigns, within that pt of our united kingdom of Gt Britain & Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within 2 calendar mos from the date thereof. By writ, &c.

BARKER. 6th Feb. 1816.

3981. A grant unto JOSEPH BARKER, of Cottage Green, Camberwell, in the cõy of Surry, artist, for his invented means of continuing the motion of machinery; to hold, &c; 6 mos.

MILTON. 10th Feb. 1816.

3982. A grant unto WILLIAM MILTON, of Heckfield, Hants, clk, for his invd certain improvements upon the wheels and perches of carriages; 6 months.

DE SARUL. 20th Feb. 1816.

3983. A grant unto HENRY DE SARUL, of Leicester Street, Leicester Square, in the city of Westr & cõy of Midx, artificial florist, in consequence of a communication made to him by a certain foreigner residing abroad, for his improved cylindrical gold & silver sweep and washing machine; 6 mos.

RAYNHAM. 20th Feb. 1816.

3984. A grant unto WILLIAM RAYNHAM, of London Road, in the cõy of Surry, chemist, for his invtd composition for making leather and other articles water proof; six mos.

MANTON. 29th Feb. 1816.

3985. A grant unto JOSEPH MANTON, of Davies Street, Berkeley Square, in the cõy of Midx, gunmaker, for his invented certain improvements in the construction and use of certain of the parts of fire arms; and also of the shoeing of horses; to hold to him, his exors, admors, & assigns, within that part of our united kingdom of Great Britain & Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within 6 calendar months, &c.

TURRILL. 2nd March 1816.

3986. A grant unto FRANCIS TURRILL, of Long Acre, in the parish of Saint Martin-in-the-Fields, in the cõy of Midx, coach maker, for his invented new wheel guard; to hold, &c, 14 years; 6 mos to inroll.

WOOD. WORDSWORTH. 2nd March 1816.

3987. A grant unto JOHN WOOD the younger, of Bradford, worsted spinner, and JOHN WORDSWORTH, in the parish of Leeds, machine maker, both in the cõy of York, for their invented certain improvements in machines, applicable to every description of spinning; to hold, &c, 14 years; 2 months.

DONKIN. 2nd March 1816.

3988. A grant unto BRYAN DONKIN, of Grange Road, Bermondsey, in the cõy of Surry, engineer, for his discovered mean or method of effecting certain purposes or processes, in which a temperature above that of boiling water is requisite or desirable, by applying the temperature requisite or desirable in the said certain process for effecting the said certain purposes in a manner not hitherto employed therein; to hold &c, 14 years; 2 months.

MUNTZ. 2nd March 1816.

3989. A grant unto FREDERICK MUNTZ, of Birmingham, in the county of Warwick, roller of metals, for his invented method of abating or nearly destroying smoke, and of obtaining a valuable product therefrom; to hold, &c; 6 mos.

BRADBURY. 9th March 1816.

3990. A grant unto JOHN LEIGH BRADBURY, of the city of Gloucester, gentleman, for his invented certain improvements in the machinery for spinning of cotton, flax, wool, tow, worsted, or any other fibrous substances; to

hold to him, his exors, ads, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within six calendar months from the date thereof. By writ, &c.

STEAD. 14th March 1816. **3991.** A grant unto JOHN STEAD, of Wicker, in the township of Brightside Bierlow, in the parish of Sheffield, in the cõy of York, coachmaker, for his invented improvement of a stage coach, or other coach or carriage for the carrying of passengers; and lighter, and more commodious than usual, that is to say, for carrying of 4 or more inside passengers, and also 6, 8, 10, or more outside passengers, with greater safety than those now in use carrying the same number of passengers; to hold, &, 14 years; 2 mos.

MONTGOLFIER. 14th March 1816. **3992.** A grant unto PIERE FRANCOIS MONTGOLFIER, of Leicester Square, in the county of Middlesex, engineer, for his invented improvements on the machine denominated bellier hydraulique, or hydraulic ram; to hold, &c, 14 years; 6 mos.

BRUNEL. 14th March 1816. **3993.** A grant unto MARC ISAMBARD BRUNEL, of Lindsey Row, Chelsea, in the cõy of Midx, gent., in consequence of a communication made to him by a certain foreigner residing abroad he is become possessed of the invn of the "tricoteur" or knitting machine; to hold, &c, 14 years; 6 mos.

WEST. WEST. 14th March 1816. **3994.** A grant unto WILLIAM WEST and DANl WEST, both of Bombay, in the East Indies, for their invented certain methods of producing & applying power & motion to presses and other mechanical apparatus; 20 mos to inroll.

MONTGOLFIER. DAYME. 14th March 1816. **3995.** A grant unto PIERRE FRANCOIS MONTGOLFIER, of Leicester Sqr, in the cõy of Midx, engineer, and LOUIS HENRY DANIEL DAYME, of the same place, for their invented certain improvements in a machine which acts by the expansion or contraction of air heated by fire, and which machine is applicable to the raising of water or giving motion to mills or other machines; to hold, &c; 6 mos.

DAWSON. 14th March 1816. **3996.** A grant unto JAMES DAWSON, of No 63, in the cõy of Midx, esqr, for his invtd certain new or improved means of producing or communicating motion in or unto bodies, either wholly or in part surrounded by water or air, or either of them, by the motion of suitable apparatus upon the sd water or air, or upon both of them; to hold, &c; 6 mos.

FITKIN. FITKIN. BARTON. 14th March 1816. **3997.** A grant unto JOHN FITKIN, of No 60, Old Street Road, in the parish of Shoreditch, in the county of Midx, truss maker, WILLIAM FITKIN, of the same place, truss maker, and JOSEPH BARTON, of No 20, Lombard Street, in the city of London, gent., for their invented new truss; to hold to them, their exors, admors, and ass, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within six calendar months from the date thereof. By writ, &c.

PELLETON. 18th March 1816. **3998.** A grant unto PIERRE PELLETON, of Manchester, in the cõy of Lancaster, chemist, for his invtd new method or methods of making sulphuric acid, commonly called oil of vitriol; to hold, &c; 6 mos.

TONKIN. 20th March 1816. **3999.** A grant unto ENOCH TONKIN, of the City Road, in the parish of St Leonard, Shoreditch, in the cõy of Midx, for his invtd globe reflecting stove for light and heat; to hold to him, his exs, ads, & ass, within that pt of our united kingdom of Gt Britain & Ireland, our dominion of Wales, and

town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute ; with a clause to inroll the same within 2 mo^{s} from the date thereof.

By writ, &^{c}.

PAULY.
23rd March 1816.

4000. A grant unto SAM^{l} JEAN PAULY, of N^{o} 5, Knightsbridge, opposite the Cannon Brewhouse, in the cõy of Midx, engineer, for his invt^{d} article or substance for making, without seams, coats, great coats, waistcoats, habits, pantaloons, mantles, stockings, socks, & any other kind of cloathing, covers for umbrellas & for hats, & mattrasses, seats, and cushions filled with atmospheric air; to hold, &^{c}; 2 mo^{s}.

DOWSON.
HAWKINS.
23rd March 1816.

4001. A grant unto EMERSON DOWSON, of Welbeck St^{t}, in the cõy of Midx, iron master, and JOHN ISAAC HAWKINS, of Titchfield Street, in the same cõy, engineer, for there invt^{d} improvement or addition to grates and stoves; and an instrument, machine, or apparatus, for supplying grates and stoves with fuel; to hold, &^{c}; 2 mo^{s}.

CAMERON.
23rd March 1816.

4002. A grant unto ROBERT CAMERON junior, of the city of Edinburgh, paper maker, for his invented machine for manufacturing paper on a principle entirely new ; to hold, &^{c}; six mo^{s}.

BOWLES.
23rd March 1816.

4003. A grant unto JOSEPH BOWLES, of Bennetts Street, Blackfriars Road, in the cõy of Surry, millwright, for his invented improvements in or on oil mills ; to hold, &^{c} ; 6 mo^{s}.

BROWN.
23rd March 1816.

4004. A grant unto SAM^{l} BROWN, a brother of Robert Brown, late of Burnham Westgate, in the cõy of Norfolk, iron founder, deceased, for his invt^{d} certain improvements upon the swing & wheel plough carriages and plough shares ; to hold, &^{c} ; six mo^{s}.

OSBORNE.
23rd March 1816.

4005. A grant unto HENRY OSBORNE, of Bordesty, in the parish of Aston, in the cõy of Warwick, for his invt^{d} method or principle of producing cylinders of various descriptions ; to hold, &^{c} ; six mo^{s}.

MERRYWEATHER.
23rd March 1816.

4006. A grant unto JOHN MERRYWEATHER, of the Castle of Lincoln, in the cõy of Lincoln, gent., for his invt^{d} means of propelling boats & vessells through the water ; to hold, &^{c} ; six mo^{s}.

ROGERS.
23rd March 1816.

4007. A grant unto ABRAHAM ROGERS, of Sheft, in the parish of Halifax, in the cõy of York, coal merchant, for his invented method of effecting a saving in the consumption of coals or fuel, by an improvement in the mode of setting & heating boilers of steam engines, and other bodies of diff^{t} descriptions ; also for heating & warming stoves, drying houses, manufacturies, & other buildings, & for burning diff^{t} description of grapes ; to hold, &^{c} ; 2 mo^{s}.

STEINHAUSER.
23rd March 1816.

4008. A grant unto JOHN LEBERECHT STEINHAUSER, of Old Bond Street, in the cõy of Midx, mechanist, for his invented new or improved caster or roller for tables, sofas, bedsteads, and other articles ; to hold to him, his ex̃ors, adm̃ors, & assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of B^{k}-upon-Tweed for the term of 14 years pursuant to the statute ; with a clause to inroll the same within 2 calendar mo^{s} from the date thereof.

By writ, &^{c}.

YOUNIE.
23rd March 1816.

4009. A grant unto JAMES YOUNIE, of Theobalds Roads, Red Lion Square, in the cõy of Midx, ironmonger, for his discovered inv^{n} for the prevention or cure of smokey chimnies ; to hold, &^{c} ; 4 mo^{s}.

SORBY.
23rd March 1816.

4010. A grant unto JOHN SORBY the younger, of Sheffield, in the cõy of York, edge tool maker, for his invented method of making an augur, for the use of shipwrights, millwrights, carpenters, and other artificers, upon a new and improved construction ; to hold, &c, 14 years ; 2 mos.

MACNAMAR.
23rd March 1816.

4011. A grant unto WILLIAM MACNAMAR, of East Smithfield, in the cõy of Midđx, plate glass manufacturer, in consequence of a communication made to him by a certain foreigner residing abroad, for his method or methods of manufacturing glass ; to hold, &c ; six mos.

HADDOCK.
23rd March 1816.

4012. A grant unto WILLIAM HADDOCK, of the parish of Holloway, in the cõy of Midx, chemist, of his invtd new species of paint, colour, & cement for paints & colouring & preserving the interior & exterior of houses, ships, and other things; to hold, &c ; six mos.

LEWIS.
5th April 1816.

4013. A grant unto WILLIAM LEWIS, of Brimscomb, in the cõy of Gloucester, dyer, for his invtd new machine for fulling woollen or other cloths that require such process ; to hold, &c ; 6 mos.

TURNER.
8th April 1816.

4014. A grant unto JOSEPH TURNER, of Layton, in the cõy of York, mechanic, for his invtd improved rotary engine, & application thereof, with or without other machinery, to useful purposes ; to hold, &c ; 2 mos.

WOODHOUSE.
9th April 1816.

4015. A grant unto JOHN WOODHOUSE, of Bromsgrove, in the cõy of Worcester, civil engineer, for his invented method of forming the ground for roads & pavements, & also for paving and repairing old pavements & roads ; to hold, &c ; 6 mos.

ATKINSON.
9th April 1816.

4016. A grant unto WILLIAM ATKINSON, of Bentinck Street, in the parish of St Mary-le-bone, & cõy of Midx, architect, for his invtd new or improved method or methods of forming blocks with bricks & cement in the form of ashlar stone, for building, so as to have the appearance of stone ; to hold to him, his exors, ads, or assigns, within that pt of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute ; with a clause to inroll the same within six calendar mos from the date thereof. By writ, &c.

STENSON.
11th April 1816.

4017. A grant unto WILLIAM STENSON, of Coleford, in the cõy of Gloucester, engineer, for his invented improved engine, to be worked by steam or any other power ; to hold, &c ; six mos.

LASSALLE.
23rd April 1816.

4018. A grant unto WILLIAM HENRY LASSALLE, of the city of Bristol, apothecary, for his invtd method or contrivance for an improvement in the construction of a gig, and of cards, so called, in the clothing and other manufactories, or other machines or instruments used and employed in such manufactories for the same or similar purposes ; a contrivance never before put in practice ; to hold, &c ; 2 mos.

BODLEY.
27th April 1816.

4019. A grant unto GEORGE BODLEY, of the cõy of the city of Exeter, iron founder, for his invented improved metallic engine, to work either by steam or water, which he denominates "Bodley's improved engine ;" six mos.

COLLIER.
1st May 1816.

4020. A grant unto JOHN COLLIER, of Windsor Terrace, in the cõy of Midx, engineer, for his invtd & brought to perfection a machine for shearing woollen cloths, which will be of great utility ; to hold, &c ; six mos.

RANGELEY. 4th May 1816.

4021. A grant unto JOHN RANGELEY, of Oakwell Hall, near Leeds, in the cõy of York, gent., for his invented & found out certain further improvements of his hydropneumatic engine, being a new or improved method of constructing and working engines or machines for lifting or raising of weights, turning of machinery of all descriptions, drawing carriages on railways, & capable of being applied to all purposes where mechanical power is required; to hold, &c; six mos.

BANKS. 4th May 1816.

4022. A grant unto RICHARD BANKS, of Hadley, in the parish of Wellington, and cõy of Salop, engineer, for his invtd certain improvements in wheeled carriages; six mos.

THREADGOLD. 4th May 1816.

4023. A grant unto WILLIAM THREADGOLD, of Farm St, Berkeley Sqr, in the cõy of Midx, surveyor & builder, for his invtd machine or apparatus to prevent obstruction to the passage of smoke in & through chimnies; to hold, &c; six mos.

COPLAND. 9th May 1816.

4024. A grant unto ROBt COPLAND, of Liverpool, in the cõy of Lancaster, merchant, for his invtd means of effecting a saving in the consumption of fuel; to hold, &c; 15 mos.

ROTCH. 11th May 1816.

4025. A grant unto BENJAMIN ROTCH, late of Castle Hall, Milford Haven, in the cõy of Pembroke, but now of the city of Bath, in the cõy of Somerset, gent., being one of the people called Quakers, for his invtd flexible elastic horse shoe, for the purpose of allowing the foot of the horse its natural motion when shod; to hold, &c; 2 mos to inroll.

PAULY. 14th May 1816.

4026. A grant unto JEAN SAMUEL PAULY, of Knightsbridge, in the cõy of Midx, engineer, for his invented certain improvements in the construction & use of fire arms; to hold to him, his exors, ads, & assigns, within that part of our united kingdom of Great Britain & Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within six calendar months from the date thereof. By writ, &c.

RUXTON. 14th May 1816.

4027. A grant unto THOMAS RUXTON, of the city of Dublin, esqr, for his invtd lock for fastening doors, gates, drawers, desks, trunks, boxes, portmanteaus, and other things requiring fastenings; to hold, &c; 2 mos.

HAWKINS. 14th May 1816.

4028. A grant unto RICHARD FRANCIS HAWKINS, of Woolwich, in ye cõy of Kent, gent., for his invtd method, plan, or principle, by which tunnel or tunnels, archway or archways, may be constructed or effected under the river Thames or other rivers, for the passages of carriages, cattle, foot passengers, and other purposes; to hold, &c; 6 mos.

WILSON. 14th May 1816.

4029. A grant unto DANIEL WILSON, of Usher Street, in the city of Dublin, chemist, for his invented new and improved apparatus, to be employed in the distillation of animal, vegetable, and mineral substances, & in various other processes; to hold, &c; six mos.

SIMMONS. 14th May 1816.

4030. A grant unto WILLIAM SIMMONS, of Wigan, in the cõy of Lancaster, writing master and teacher of accounts, for his invented certain improvements applicable to keyed instruments, as the organ, pianoforte, harpsichord, or to any instrument or set of instruments to which keys are, or may, or can be affixed; six mos.

RICHARDSON. 25th May 1816.

4031. A grant unto FRANCIS RICHARDSON, of Queen St, Westr, in the cõy of Middx, esqr, for his invtd improvements on the locks & barrels of fire arms; and also an improvement or addition to bayonets; to hold, &c; 6 mos.

TAYLOR. 25th May 1816.

4032. A grant unto PHILIP TAYLOR, of Bromley, in the cõy of Midx, merchant, for his invt^d & discovered new method of applying heat to liquors used in the processes of brewing, distilling, and sugar refining ; six mo^s.

DIHL. 25th May 1816.

4033. A grant unto CHRISTOPH DIHL, of New Bond Street, in the cõy of Midx, for his invt^d improvement or improvements in the making mastic cement or composition, and in the mode of working & applying the same to useful purposes, which cement or composition he denominates "Dihls mastic" ; to hold, &^c ; 15 mo^s.

DODGSON. 27th May 1816.

4034. A grant unto GEORGE DODGSON, of the parish of S^t Paul, Shadwell, in the cõy of Midx, pump & engine manufacturer, for his invt^d method of simplifying & improving the construction of extinguishing engine & forcing pumps ; to hold, &^c ; 2 mo^s.

REDDELL. 27th May 1816.

4035. A grant unto ISAAC HADLEY REDDELL, of Orange Court, Leicester Square, in the cõy of Midx, engineer, for his invt^d certain improvements in or on the means of lighting the interior of offices, theatres, buildings, houses, or any place where light may be required ; six mo^s.

KEMP. 27th May 1816.

4036. A grant unto ROBERT KEMP junior, of the city of Cork, smith & brass founder, for his invented improvement or improvem^ts in the making or manufacturing locks & keys ; to hold to him, his ex^s, ad^s, & ass^s, within that part of our united kingdom of Great Britain & Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute ; with a clause to inroll the same within two calendar months from the date thereof. By writ, &^c.

HEATHCOATE. 30th May 1816.

4037. A grant unto JOHN HEATHCOATE, of Loughborough, in the cõy of Leicester, lace manufacturer, for his invented certain improvements upon a machine or machinery, already in use, for making hosiery or frame work knitted, commonly called stocking frame ; to hold, &^c ; 15 mo^s.

RANSOME. 1st June 1816.

4038. A grant unto JAMES RANSOME, of Ipswich, in the cõy of Suffolk, iron founder, for his invented certain improvements on ploughs ; to hold, &^c ; six mo^s.

SHAND. 1st June 1816.

4039. A grant unto WILLIAM SHAND, of Villiers S^t, Strand, in the cõy of Middx, artificial limb maker, for his invt^d certain improvements in the construction of artificial legs and feet, made of leather and wood, acting by a lever and spiral spring ; to hold, &^c ; 2 mo^s.

FOULERTON. 11th June 1816.

4040. A grant unto JOHN FOULERTON, of Upper Bedford Place, Russell Square, in the cõy of Midx, esq^r, for his invented various improvements in beacon buoys, can buoys, nun buoys, mooring buoys, and life buoys, which improvements are applicable to other useful purposes ; to hold, &^c ; six mo^s.

LIGHT. 18th June 1816.

4041. A grant unto EDWARD LIGHT, of Foley Place, in the parish of S^t Mary-le-bone, in the cõy of Midx, professor of music, for his invented certain improvements on the instrument known by the name of the harp lute, which he intends to denominate the British lute harp ; to hold, &^c ; 6 mo^s.

BURNETT. 20th June 1816.

4042. A grant unto JOHN BURNETT, of the city of Bristol, ironfounder, for his invt^d convolving iron axletree, for the reduction of friction and animal labour, by the application of which, wheels of carriages of every description are prevented from coming off whilst travelling, and carriages are drawn with less animal labour ; to hold, &^c ; 2 mo^s.

BARLOW. 27th June 1816. **4043.** A grant unto JOHN HAWKINS BARLOW, of Leicester Place, Leicester Square, in the cõy of Midx, goldsmith and jeweller, for his invt[d] certain improvements in tea urns, tea pots, tea boards, or tea trays; to hold &[c]; six mo[s].

BARLOW. 2nd July 1816. **4044.** A grant unto JOHN BARLOW, of the town of Sheffield, in the county of York, iron founder, for his invented new cooking apparatus; to hold, &[c]; two months.

TOWERS. 11th July 1816. **4045.** A grant unto JN[o] TOWERS, of Little Warner Street, Cold Bath Fields, in the cõy of Midx, chemist, for his invt[d] tincture for the cure and relief of coughs, asthmas, and diseases of the lungs and chest, which he intends to denominate "Towers's new London cough tincture;" to hold, &[c]; 2 mo[s].

WARBURTON. 27th July 1816. **4046.** A grant unto HENRY WARBURTON, of Lower Cadogan Place, Chelsea, in the cõy of Midx, in consequence of a communication made to him by a certain foreigner residing abroad, for his invt[d] method of distilling certain animal, vegetable, and mineral substances, & of manufact[s] certain of the products thereof; 4 mo[s].

SALMON. 27th July 1816. **4047.** A grant unto ROBERT SALMON, of Woobourn, in the cõy of Bedford, surveyor, for his invt[d] fũr improvements in the construction of machines for making hay, which machines, so improved, he denominates Salmons new patent self adjusting and manageable hay machines; 2 mo[s].

HAGUE. 27th July 1816. **4048.** A grant unto JOHN HAGUE, of Great Pearl Street, Spital Fields, in the cõy of Middx, engineer, for his invented certain improvem[ts] in the method of expelling the molasses or syrup from sugars; six mo[s].

HENRY. 3rd August 1816. **4049.** A grant unto WILLIAM HENRY, of Manchester, in the cõy of Lancaster, doctor of physic, for his invt[d] & brought to perfection certain improvements in the manufacture of sulphate of magnesia, commonly called Epsom salts; to hold, &[c]; 2 mo[s].

POOLE. 3rd August 1816. **4050.** A grant unto JOHN POOLE, of Mitre Tavern, Orchard S[t], Sheffield, in the county of York, victualler, for his invt[d] brass and copper plating, or plating iron or steel with brass or copper, both plain and ornamental, and working the same into plates, bars, or other articles; to hold, &[c]; six mo[s].

CHALKLEN. 3rd August 1816. **4051.** A grant unto JOHN CHALKLEN, of Tower S[t], Seven Dials, in the cõy of Middx, for his invt[d] certain improvements in or on valve water closets, and on the frames or stools thereof; to hold to him, his exors, admors, and ass[s], within that part of our united kingdom of Great Br tain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within 2 calendar mo[s] from the date thereof.

By writ, &[c].

WELCH. 3rd August 1816. **4052.** A grant unto JOHN WELCH, of the borough of Preston, in the cõy of Lancaster, cotton mull roller maker, for his invt[d] improvement in the manner of making rollers used in spinning of wool, cotton, silk, flax, tow, or any other fibrous substances; to hold, &[c]; 2 mo[s].

DAYMAN. 3rd August 1816. **4053.** A grant unto JN[o] DAYMAN, of Tiverton, in the cõy of Devon, gent., for his invt[d] method of covering or coating iron, steel, and other metals or mixtures of metals, with tin, lead, copper, brass, or other metals or mixture of metals; to hold, &[c]; six mo[s].

NOCK.
12th August 1816.

4054. A grant unto SAMUEL NOCK, of Fleet S^{t}, London, gun maker, for his invt^{d} improvement in the pan of the locks of guns and fire arms ; to hold, &^{c} ; 2 mo^{s}.

BIGGS.
14th August 1816.

4055. A grant unto EDWARD BIGGS, of Birmingham, in the cõy of Warwick, brass founder, for his invt^{d} certain improvements in or on the machinery used in the making or manufact^{s} of pans and stails of various kinds ; to hold, &^{c} ; six mo^{s}.

TRIPP.
14th August 1816.

4056. A grant unto ROBERT TRIPP, of the city of Bristol, woollen draper, for his invt^{d} improved hussar garter, with elastic springs and fastenings; and also elastic springs for pantaloons and other articles ; to hold, &^{c} ; 6 mo^{s}.

MOULT.
14th August 1816.

4057. A grant unto WILLIAM MOULT, of Bedford Square, in the cõy of Midx, for his invt^{d} certain improvements on his former Patent for an improved method of acting upon machinery, bearing date the 23 May 1814 ; to hold, &^{c} ; 6 mo^{s}.

NEVILLE.
14th August 1816.

4058. A grant unto JAMES NEVILLE, of Wellington S^{t}, Northampton Sq^{r}, in the cõy of Midx, gent., for his invt^{d} certain new and improved methods of generating and creat^{s} & applying power by means of steam or other fluids, elastic or nonelastic, for driving or working all kinds of machinery, including the steam engines now in use, and which are applicable also to the condensing of steam and other aqueous vapours in distillation or evaporation, and are useful in various manufacturies and operations where heat is employed as an agent, or when the saving of fuel is desirable ; to hold, &^{c} ; 2 mo^{s}.

PAULY.
15th August 1816.

4059. A grant unto JEAN SAMUEL PAULY, of Queen Street, Brompton, in the cõy of Middlesex, engineer, for his invt^{d} machine for ascertaining, in an improved manner, the weight of any article ; to hold, &^{c} ; 2 mo^{s}.

GILCHRIST.
15th August 1816.

4060. A grant unto ANTHONY GILCHRIST, of Worship Square, in the cõy of Midx, gent., for his invt^{d} machine for making nails, screws, and the working all metallic substances; to hold, &^{c}; 2 calendar months to inroll.

SALMON.
19th August 1816.

4061. A grant unto ROBERT SALMON, of Woobourn, in the cõy of Bedford, surveyor, for his invt^{d} "Improved instruments for complaints in the uretha and bladder" ; to hold, &^{c} ; 2 mo^{s}.

BARTON.
31st August 1816.

4062. A grant unto JOHN BARTON, of Silver Street, in the city of London, civil engineer, for his invt^{d} "Certain improvements in pistons" ; to hold, &^{c} ; six mo^{s}.

LACY.
LINDLEY.
30th Sept. 1816.

4063. A grant unto CHARLES LACY, of the town & cõy of the town of Nottingham, lace manufacturer, and JOHN LINDLEY, of Loughborough, in the cõy of Leicester, lace manufacturer, for their invt^{d} "Machinery, to be incorporated with, added to, and used with parts of certain machines already invented and in use for the making and manufact^{s} of lace net, called bobbin or Buckinghamshire lace net, by the aid of which present invention the said lace net may be made with greater facility and less manual labour than by any machinery or method now in use and known" ; to hold, &^{c} ; six mo^{s}.

CLAYTON.
30th Sept. 1816.

4064. A grant unto ROBERT CLAYTON, of the city of Dublin, artist, for his invented "New method of preparing, making, and finishing metal and composition blocks, plates, rollers, and types and dyes, by which various

patterns, devices, and compositions can be effectually imprinted and impressed upon cotton, linen, silk, worsted, mohair, and woollen cloths, or on any fabric made of a mixture of any two or more of them, also on paper, leather, porcelain, and earthenware, at considerable less expense than by any other process now used for these purposes" ; to hold, &c.

METCALF. 30th Sept. 1816.

4065. A grant unto JACOB METCALF, of Great Mary-le-bone S^{t}, in the cõy of Midx, brush manufacturer, for his invt^{d} "Tapered hair or head brush"; to hold, &c; two mo^{s}.

WILKES. 30th Sept. 1816.

4066. A grant unto Jn^{o} ASTON WILKES, of Birmingham, in the county of Warwick, glass toy manufacturer, for his invented "Method of manufacturing glass icicles, spangles, and every other description of ornamental glass, with a loop or loops of the same material"; to hold, &c; 2 mo^{s}.

LOSH. STEPHENSON. 30th Sept. 1816.

4067. A grant unto WILLIAM LOSH, of the town and county of Newcastle-upon-Tyne, iron founder, and GEORGE STEPHENSON, of Killingworth, in the cõy of Northumberland, engineer, for their invt^{d} "New method or new methods of facilitating the conveyance of carriages, and all manner of goods and materials along rail ways and frame ways, by certain inventions and improvements in the construction of the machine, carriages, carriage wheels, rail ways, & frame ways employed for that purpose"; to hold, &c; 2 mo^{s}.

KIRKMAN. 14th October 1816.

4068. A grant unto JOSEPH KIRKMAN, of Broad S^{t}, in the parish of Saint James, Westminster, in the cõy of Midx, piano forte maker, for his invt^{d} "Improved method of applying a octave stop to piano fortes"; to hold to him, his ex̃ors, ad^{s}, and assigns, within that part of our united kingdom of G^{t} Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute ; with a clause to inroll the same within two calendar mo^{s} from the date thereof. By writ, &c.

BOREL. 25th October 1816.

4069. A grant unto LOUIS FAUCHE BOREL, of Frith S^{t}, Soho, in the county of Middlesex, esquire, for his discovered "Method of making shoes and boots without sewing, so as entirely to keep out the wet; which invention may be applied to other useful purposes in leather"; to hold, &c; six months to inroll. By writ, &c.

GRANHOLM. 25th October 1816.

4070. A grant unto LEWIS GRANHOLM, now residing in Foster Lane, in the city of London, a captain in the royal navy, for his invt^{d} "Method or methods, process or processes, or means for rendering or making articles made or manufactured of hemp or flax, or of hemp or flax mixed, more durable than any such articles are now made or manufactured"; to hold, &c ; 2 mo^{s}.

SMYTHE. 1st Nov. 1816.

4071. A grant unto BENJAMIN SMYTHE, of Liverpool, in the cõy of Lancaster, schoolmaster, for his invented "New machine or apparatus, or a new method or methods of propelling vessels, boats, barges, and rafts of all kinds, and also other machinery, as mill wheels, and other revolving power"; to hold, &c ; 2 months to inroll.

VARLEY. FURNESS. 1st Nov. 1816.

4072. A grant unto WILLIAM VARLEY, of Hunslet, in the parish of Leeds, in the cõy of York, wire worker, and ROBERT HOPWOOD FURNESS, of Bridlington, in the said cõy, soap boiler, for their invented "Improved method of obtaining or producing saccharine matter or substance from wheat, rye, oats, and barley, bear, or bigg ; to hold, &c ; 6 mo^{s}. By writ, &c.

GREGSON. 1st Nov. 1816.

4073. A grant unto JOSEPH GREGSON, of Charles Street, Grosvenor Sq^{r}, in the cõy of Middlesex, surveyor, for his invented new "Method of constructing chimnies, and of supplying fires with fuel"; to hold, &c; 2 mo^{s}. By writ, &c.

DICKINSON. 1st Nov. 1816.

4074. A grant unto GEORGE WASHINGTON DICKINSON, of Great Queen S^t^, Lincolns Inn Fields, in the cõy of Midx, gent., for his invt^d^ "New improved method, means, or contrivance for preventing leakage from vessels employed to contain liquids, and for the preventing the admission of moisture into packages or vessels intended to be kept dry within"; six months to inroll. By writ, &^c^.

HOSKING. 1st Nov. 1816.

4075. A grant unto SIMON HOSKING, of the parish of Phillack, in the cõy of Cornwall, cabinet maker, for his invented "Steam engine, on a new construction, for drawing water from mines, for working different kinds of machinery, and for other purposes for which steam engines are generally applied"; six months to inroll. By writ, &^c^.

DAY. 1st Nov. 1816.

4076. A grant unto WILLIAM DAY, of the Strand, in the parish of S^t^ Martin-in-the-Fields, cõy of Middx, trunk maker, for his invented "Various improvements in or on trunks, and also in the application of certain machinery, by means of which machinery they will extract or expand at pleasure"; to hold to him, his ex̃ors, adm̃ors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within two calendar months from the date thereof. By writ, &^c^.

PIERCY. 1st Nov. 1816.

4077. A grant unto JOHN PIERCY, of Birmingham, in the cõy of Warwick, tortoiseshell toy maker, for his invt^d^ "New method of making thimbles"; to hold, &^c^; two months to inroll. By writ, &^c^.

HEATHCOAT. 1st Nov. 1816.

4078. A grant unto JOHN HEATHCOAT, of Loughborough, in the cõy of Leicester, lace manufacturer, for his invt^d^ "Certain improvements upon machines or machinery invented and in use for the purpose of making that kind of lace commonly known or distinguished by the name or names of bobbin net or Buckinghamshire lace net"; to hold, &^c^; 6 months. By writ, &^c^.

SNOWDEN. 1st Nov. 1816.

4079. A grant unto WILLIAM SNOWDEN, of Doncaster, in the county of York, clerk, for his invented "New improved apparatus or machine to be attached or applied to carriages to prevent them being overturned"; to hold, &^c^. By writ, &^c^.

DAY. 14th Nov. 1816.

4080. A grant unto JOHN DAY, of Brompton, in the cõy of Middx, lieutenant on half pay of our 11^th^ reg^t^ of foot, for his invented "Certain improvements and additions in the construction of piano fortes and other keyed musical instruments"; to hold; six months. By writ, &^c^.

STIRLING. 16th Nov. 1816.

4081. A grant unto ROBERT STIRLING, of Edinburgh, clerk, for his invented "Improvements for diminishing the consumption of fuel, and in particular an engine capable of being applied to the moving machinery on a principle entirely new"; to hold, &^c^; 6 mo^s^. By writ, &^c^.

BAINES. 16th Nov. 1816.

4082. A grant unto ROBERT BAINES RAINES, of Myton, in the cõy of the town of Kingston-upon-Hull, glue manufacturer, for his invt^d^ "Perpetual log or sea perambulator"; to hold, &^c^; 6 mo^s^. By writ, &c.

RUSSELL. 19th Nov. 1816.

4083. A grant unto WILLIAM RUSSELL, of Avery Farm Row, Chelsea, in the cõy of Midx, engineer, for his invented "Improvement upon cocks and vents for general purposes, particularly useful to brewers, distillers, private families, &^c^; to hold, &^c^"; 6 months. By writ, &^c^.

BARKER. 19th Nov. 1816.

4084. A grant unto JOSEPH BARKER, of Cottage Green, Camberwell, in the cõy of Surrey, artist, for his invented "Improvement or improvements in the method or means of acting upon machinery"; six mo^s^. By writ, &^c^.

HALL. 21st Nov. 1816.

4085. A grant unto WALTER HALL, of Serjeants Inn, in the city of London, merchant, in consequence of a communication from certain foreigners residing abroad, for "A method or methods of making soft lead out of hard lead or slag lead"; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of fourteen years pursuant to the statute; with a clause to inroll the same within six calendar months from the date thereof. By writ, &c.

KEWLEY. 21st Nov. 1816.

4086. A grant unto JAMES KEWLEY, of Aldersgate Street, in the city of London, gentleman, for his invented "Certain improvements in and on thermometers"; to hold, &c; six months. By writ, &c.

FORD. 21st Nov. 1816.

4087. A grant unto ROBERT FORD, late of Barbican, in the city of London, but now of Crouch End, in the parish of Hornsey and cty of Middx, chemist, for his invtd "Medicine for the cure of coughs, colds, asthmas, and consumptions, which he denominates 'Fords balsam of horehound'"; to hold, &c; two months. By writ, &c.

WRIGHT. 10th Nov. 1816.

4088. A grant unto RICHARD WRIGHT, of Bishopgate Within, in the city of London and county of Middlesex, for his invented "Certain improvements in the constructing and propelling ships and other vessels"; to hold, &c; six months. By writ, &c.

DEAN. 14th Dec. 1816.

4089. A grant unto WILLIAM DEAN, of Manchester, in the county of Lancaster, calico glazier, for his invented "Certain improved machinery for waxing calico or any other cloth or fabric previous to the process of glazing"; to hold, &c; 2 months. By writ, &c.

BROWN. THOMAS. 19th Dec. 1816.

4090. A grant unto SAMUEL BROWN, of Mark Lane, in the city of London, captain in our royal navy, and PHILIP THOMAS, of Liverpool, in the county of Lancaster, manufacturer of iron cables, for their invented "Chain or chains, manufactured in a particular manner by a new process, and certain apparatus and improvements in performing and executing the same"; to hold, &c; 2 months. By writ, &c.

RAFFIELD. 10th Jan. 1817.

4091. A grant unto JOHN RAFFIELD, of Edward Street, Cavendish Square, in the county of Middlesex, architect, for his invented "Certain improvements on and additions to his former Patent for an apparatus to be attached to fire stoves of all descriptions for rooms, for the removal of cinders and ashes and for the better prevention of dust arising therefrom, which said improvements and additions may be used jointly or separately"; to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed for the term of 14 years pursuant to the statute; with a clause to inroll the same within six calendar months from the date thereof. By writ, &c.

MANTON. 20th Jan. 1817.

4092. A grant unto WILLIAM MANTON, of South Street, Grosvenor Square, in the parish of Saint George, Hanover Square, coach maker, for his invented "Certain improvements in the application of springs to wheel carriages"; to hold, &c; six months. By writ, &c.

CAVAILLON. 23rd Jan. 1817.

4093. A grant unto JOSEPH DE CAVAILLON, of Sambrook Court, Basinghall Street, in the city of London, gentleman, for his invented "Certain improvements in the preparing, clarifying, and refining of sugar and other vegetable, animal, and mineral substances, and in the machinery and utensils used therein"; to hold, &c; six months. By writ, &c.

DICKINSON. 23rd Jan. 1817.

4094. A grant unto ROBERT DICKINSON, of Great Queen Street, Lincolns Inn Fields, in the county of Middlesex, esquire, for his invented "New or improved method or methods of preparing and paving streets and roads for horses and carriages, so as to render the parts or pavements, when so done, more durable and ultimately less expensive than those in common use, and presenting other important advantages"; to hold, &c; six months. By writ, &c.

WILSON. 23rd Jan. 1817.

4095. A grant unto DANIEL WILSON, of Dublin, gentleman, for his invented "Certain improvements in the process of boiling and refining sugar"; to hold, &c; six months. By writ, &c.

HIGGINSON. 1st Feb. 1817.

4096. A grant unto GEORGE MONTAGUE HIGGINSON, of Bovery Tracy, Chudleigh, in the county of Devon, lieutenant in the navy, for his invented "Certain improvements in locks;" to hold to him, his exors, admors, and assigns, within that part of our united kingdom of Great Britain and Ireland called England, our dominion of Wales, and town of Berwick-upon-Tweed, for the term of 14 years pursuant to the statute; with a clause to inroll the same within two calendar months from the date thereof. By writ, &c.

WALL. 1st Feb. 1817.

4097. A grant unto WILLIAM WALL, of Wandsworth, in the cõy of Surrey, watchmaker, for his invented "A new or improved horizontal escapement for watches"; to hold, &c; 2 months. By writ, &c.

MOTT. 1st Feb. 1817.

4098. A grant unto ISAAC HENRY ROBERT MOTT, of Brighton, in the cõy of Sussex, composer and teacher of music, for his invented "Method of producing from vibrating substances a tone or musical sound, the peculiar powers in the management whereof are entirely new, and which musical instrument he denominates the sostinente piano forte"; two months. By writ, &c.

BUNDY. 1st Feb. 1817.

4099. A grant unto WILLIAM BUNDY, of Pratt Place, Campden Town, in the parish of St Pancras and county of Middlesex, mathematical instrument maker, for his invented "Machinery for breaking and preparing flax and hemp"; to hold, &c; 6 mos. By writ, &c.

WEST. 6th Feb. 1817.

4100. A grant unto JAMES ATKINSON WEST, of Crane Court, Fleet Street, in the city of London, brass worker and lamp manufacturer, for his invented "Certain improvements in or on lustres, chandeliers, lanthorns, and lamps of various descriptions, and in the manner of conveying the gas to the same"; to hold, &c; 6 months. By writ, &c.

CLARK. 8th Feb. 1817.

4101. A grant unto WILLIAM CLARK, of the city of Bath, esqr, for his invented "Contrivance, to be called a safeguard to locks, applicable to locks in general, by which they may be so secured as to defy the attempts of plunderers using picklocks or false keys"; to hold, &c; 2 months. By writ, &c.

HARDY. 20th Feb. 1817.

4102. A grant unto ROBERT HARDY, of Worcester, ironfounder and engineer, for his invented "Certain improvements in the manufacturing of cast iron bushes or pipe boxes for chaise, coach, waggon, and all other sorts of carriage wheels"; to hold, &c; six months. By writ, &c.

LITHERLAND. 20th Feb. 1817.

4103. A grant unto RICHARD LITHERLAND, of Liverpool, in the county of Lancaster, watchmaker, for his invented "Certain improvements in or on the escapement of watches"; to hold, &c; six months. By writ, &c.

HOLDEN. 20th Feb. 1817.

4104. A grant unto RICHARD HOLDEN, of Stafford Street, in the parish of Saint Mary-le-bone, in the county of Middlesex, gentleman, for his invented or found out "Machines for producing rotatory and pendulous motion in a new manner"; to hold, &c; 6 months. By writ, &c.

OSBORN. 1st March 1817.

4105. A grant unto WILLIAM HENRY OSBORN, of Bordesley, in the parish of Aston, in the county of Warwick, for his invt[d] "New method or principle of producing cylinders of various descriptions"; to hold, &c; 2 mo[s] to inroll. By writ, &c.

WILSON. 1st March 1817.

4106. A grant unto DANIEL WILSON, of Dublin, gent[n], for his invented "Gas light apparatuses, processes, and philosophical instruments"; to hold, &c; 6 months.

SARTORIS. 11th March 1817.

4107. A grant unto URBANUS SARTORIS, of Winchester Street, in the city of London, merchant, for his invented or found out "Improvements in the construction and use of fire arms"; to hold, &c; 6 mo[s]. By writ, &c.

RAYBOULD. 11th March 1817.

4108. A grant unto WILLIAM RAYBOULD, of Goswell Street, in the county of Middlesex, brass founder, for his discovered invention or "Improvement applicable to fire stoves, grates, and ranges of different descriptions"; to hold, &c; six mo[s]. By writ, &c.

GRANHOLM. 11th March 1817.

4109. A grant unto LUDVIG GRANHOLM, of Foster Lane, in the city of London, a captain in the royal navy of Sweden, for his invented "New improved process or processes, mean or means, for pressing vegetable and animal products"; to hold, &c; 6 mo[s]. By writ, &c.

PANTER. 11th March 1817.

4110. A grant unto WILLIAM PANTER, of Hampton, Bath, in the county of Somerset, gentleman, for his invented "Improvement calculated to facilitate rotatory motion and lessen or remove friction in wheel carriages and machinery of different descriptions"; to hold, &c; 4 months. By writ, &c.

WINTER. 18th March 1817.

4111. A grant unto JOHN WINTER the younger, of the city of Bristol, comb maker, for his invented "Method of joining and combining horn and tortoiseshell together by means of heat and pressure, thereby causing the same to adhere the one to the other in such manner as to have the appearance of solid tortoiseshell, and with all the strength and elasticity of horn; by which he will be enabled to manufacture and vend the several articles of hair combs, ornamental and other combs, and snuff and small boxes made of these materials at a cheap rate, and resembling and having the appearance and beauty of real tortoiseshell"; 2 months. By writ, &c.

WHEELER. 28th March 1817.

4112. A grant unto DAN[l] WHEELER, of Hyde Street, in the parish of S[t] Georges, Bloomsbury, and county of Middlesex, colouring maker, for his invented "New or improved method of drying and preparing malt"; 6 months. By writ, &c.

NICHOLAS. 19th April 1817.

4113. A grant unto EDWARD NICHOLAS, of the parish of Llangattock Vibon-Avell, in the county of Monmouth, farmer, for his invented "Plough for the purpose of covering with mould, wheat and other grain when sown"; to hold, &c; 2 mo[s]. By writ, &c.

MARRECO. 29th April 1817.

4114. A grant unto ANTONIO JOAQUIM FRIERE MARRECO, of Broad Street Buildings, in the city of London, merchant, in consequence of a communication made to him by Luis Coctano Altena de Campos, residing abroad, he is in possession of the "Method of making or manufacturing an improved machine or instrument for calculating and ascertaining the longitude at sea"; to hold, &c; six months. By writ, &c.

COLLINS. 6th May 1817.

4115. A grant unto WILLIAM COLLINS, of Maize Hill, Greenwich, in the county of Kent, esquire, for his invented "Improvement or improvements in the composition and preparation of a metal; for the manufacturing thereof into sheets or plates; and the application, when so prepared and manufactured, to the preservation of ships, by heating or covering their bottoms therewith; and an improvement or improvements of the chain pump used on board ships"; to hold, &c; 2 months. By writ, &c.

WILMS. 8th May 1817.

4116. A grant unto HENRY WILMS, of Union St, Lambeth, in the county of Surry, cabinet maker, for his invtd "Artificial leg, arm, and hand, on an improved construction"; 2 months. By writ, &c.

COLBERT. 13th May 1817.

4117. A grant unto JAMES GERARD COLBERT, of Winsley St, in the parish of St Mary-le-bone, in the cõy of Middx, mechanical watch maker, in consequence of a communication made to him by a certain foreigner residing abroad, for "Certain improvements in the method or methods of making screws of iron, brass, steel, or other metals, for the use of all kinds of wood work"; 2 mos. By writ, &c.

WILLIAMS. 13th May 1817.

4118. A grant unto RICHARD WILLIAMS the elder, of Dursley, in the county of Gloucester, card maker, for his invented "Certain improvements in manufacturing of cards for dressing woollen cloths"; to hold, &c; 2 mos. By writ, &c.

WALKER. 13th May 1817.

4119. A grant unto JOHN WALKER, residing at No 12, in Great Charles Street, Blackfriars Road, in the parish of Christchurch, in the county of Surrey, millwright, for his invented "Improved method of separating or extracting the molasses or treacle from and out of muscavado brown or new sugar"; 4 months. By writ, &c.

THOMSON. 17th May 1817.

4120. A grant unto ARCHIBALD THOMSON, of Church St, in the parish of Christchurch, in the county of Surrey, mechanist and engineer, for his invented "Machine for cutting corks"; to hold, &c; 6 months. By writ, &c.

SALMON. 17th May 1817.

4121. A grant unto ROBERT SALMON, of Woburn, in the cõy of Bedford, gentleman, for his invented "Apparatus for the more useful, safe, pleasant, and economical use of candles; and also improvements in the apparatus now in use for part of the same ends"; to hold, &c; 6 mos. By writ, &c.

BOUND. STONE. 17th May 1817.

4122. A grant unto WILLIAM BOUND, of Ray Street, in the parish of Clerkenwell and county of Middlesex, iron founder, and Wm STONE, of Berkeley Street, in the same parish and county, brass founder, for their invented "Method of applying certain apparatus for converting the fuel used for heating retorts of gaslight apparatus into coke or charcoal"; to hold, &c; six months. By writ, &c.

COOK. 17th May 1817.

4123. A grant unto BENJAMIN COOK, of Birmingham, in the county of Warwick, gilt toy maker, for his invented "Improved method of making and constructing rollers or cylinders, both solid and hollow, which will be found useful in various manufactories in this kingdom"; to hold, &c; six mos. By writ, &c.

OWEN. 17th May 1817.

4124. A grant unto WILLIAM OWEN, of Wrexham, in the cõy of Denbigh, cabinet maker, for his invented "Portable table or box mangle, upon a new and improved principle, for the getting up and smoothing of linen, cotton, and other articles and things"; to hold, &c; two months. By writ, &c.

CLAY.
22nd May 1817.

4125. A grant unto PHILIP HUTCHINSON CLAY, of the city of London, for his invented and brought to perfection "A new combination of machinery for the purpose of repairing and improving turnpike and other roads and highways, and preserving the same in good order"; to hold, &c; two months. By writ, &c.

DIDOT.
22nd May 1817.

4126. A grant unto LEGER DIDOT, formerly a paper manufacturer in France, but now of Paddington, in the county of Middlesex (son of Peter Francis Didot junr, late a celebrated painter in Paris, deceased), for his invtd "Certain improvements upon the machines already in use for making wove and laid paper in continued lengths or separate sheets"; to hold, &c; six mos. By writ, &c.

MANWARING.
22nd May 1817.

4127. A grant unto GEORGE MANWARING, of Marsh Place, in the parish of Lambeth, esquire, for his invented "Improvements in steam engines"; to hold, &c; six months to inroll. By writ, &c.

HUNT.
22nd May 1817.

4128. A grant unto SETH HUNT, of the United States of America, now residing in Covent Garden, in the county of Midx, esquire, in consequence of a communication made to him by a certain foreigner residing abroad he is become possessed of "A new improved escapement for clocks, watches, and chronometers"; to hold, &c; six mos. By writ, &c.

HUNT.
23rd May 1817.

4129. A grant unto SETH HUNT, of the United States of America, but now resident in Covent Garden, in the county of Midx, esqr, in consequence of a commn made to him by a certn foreigner residing abroad he is become possessed of "Certain combinations of improvements in machinery for making pins"; to hold, &c; 6 mos. By writ, &c.

WYATT.
3rd June 1817.

4130. A grant unto CHARLES WYATT, of Bedford Row, Middlesex, copper smith, for his invented "New method or methods for preventing any disadvantageous accumulation of heat in manufacturing and refining sugar"; to hold, &c; 2 months. By writ, &c.

TIGERE.
3rd June 1817.

4131. A grant unto GABRIEL TIGERE, of Dukes Court, Bow Street, in the county of Middlesex, gentleman, for his discovered "Process or method of manufacturing writing paper in such a manner as that it will be extremely difficult, if not impossible, afterwards to extract or discharge any writing from such paper"; to hold, &c; six mos. By writ, &c.

DAY.
3rd June 1817.

4132. A grant unto BENJAMIN AGER DAY, of Birmingham, in the county of Warwick, for his invented "Certain improvements in chimney ornaments, which said chimney ornaments are so constructed that they may be used for fire screens, flower or sweet jars, time piece cases, candlesticks, toast stands, and various other purposes"; to hold, &c; two months. By writ, &c.

WHITTLE.
EYTON.
10th June 1817.

4133. A grant unto THOMAS WHITTLE, of the city of Chester, wharfinger, and GEORGE EYTON, of the same city, gentleman, for their discovered and invented "A new or improved kiln, for the purpose of drying malt, wheat, oats, barley, peas, beans, and other substances, by means of steam, assisted by air"; to hold, &c; 2 mos. By writ, &c.

PARNALL.
10th June 1817.

4134. A grant unto JOHN PARNALL, of Saint Austell, in the county of Cornwall, brazier, for his invtd "Method of tinning, or covering with tin, sheets or plates of copper, brass, or zink"; to hold, &c; 2 months. By writ, &c.

WEDLAKE.
5th July 1817.

4135. A grant unto THOMAS WEDLAKE, of Horne Church, in the county of Essex, agricultural implement maker, for his invtd "Certain improvements on ploughs"; to hold, &c; 2 mos. By writ, &c.

BREWSTER. 10th July 1817.

4136. A grant unto DAVID BREWSTER, of Edinburgh, doctor of laws, for his invented and brought to perfection "A new optical instrument called the kaleidascope, for exhibiting and creating beautiful forms and patterns of general use in all the ornamental arts"; 2 months.

BROWN. 10th July 1817.

4137. A grant unto SAMUEL BROWN, of Mark Lane, commander in His Majesty's royal navy, for his invented "Improvement in the construction of a bridge, by the formation and uniting of its component parts, in a manner not hitherto practised; to hold, &c; 6 mos. By writ, &c.

SIMPSON. 10th July 1817.

4138. A grant unto WILLIAM HENRY SIMPSON, of Bickington, in the county of Devon, mechanic, for his invented "Certain improvements in the machinery for the spinning of wool, cotton, and other fibrous substances"; to hold, &c; two months. By writ, &c.

BRAIN. 10th July 1817.

4139. A grant unto RICHARD FARMER BRAIN, of Salford, in the county of Lancaster, brewer, for his invtd "Improvement or apparatus calculated to obtain or generate gas, in a more economical manner than heretofore, from coal, or any other article, material, or substance, for lighting or heating houses, manufactories, or other places where light or heat is required"; to hold, &c; six months. By writ, &c.

TRITTON. 15th July 1817.

4140. A grant unto HENRY TRITTON, of Chapham, in the cõy of Surrey, esqr, for his invented or found out "Certain apparatus for distilling"; to hold, &c; six months. By writ, &c.

ASPINWALL. 16th July 1817.

4141. A grant unto THOMAS ASPINWALL, esquire, of Bishopsgate Church Yard, in the city of London, in consequence of a communication made to him by a certain foreigner residing abroad he is possessed of an invention of "An eliptic valve pump box"; to hold, &c; six months. By writ, &c.

PHILLIPS. 19th July 1817.

4142. A grant unto REUBEN PHILLIPS, of the city of Exeter, gent., for his invented "New and improved method of purifying gas for the purpose of illumination"; to hold, &c; six months. By writ, &c.

WYKE. SHORTER. 19th July 1817.

4143. A grant unto GEORGE WYKE, of Bath, in the county of Somerset, esquire, and EDWARD SHORTER, of Union Street, Borough, in the county of Surrey, mechanic, for their invented "Certain improvements in the construction of wheeled carriages"; to hold, &c; 6 months. By writ, &c.

HAMELIN. 19th July 1817.

4144. A grant unto PETER HAMELIN, of Albany Place, Kent Road, in the parish of St Giles, Camberwell, in the county of Surrey, merchant, for his invented "Improvement or improvements in the making of a cement or composition for ornaments and statues, and for making artificial bricks or an imitation of bricks, tiles, and stones, and joining & cementing the same, and for erecting, covering, and decorating buildings, internally or externally; and also an improvement in the mixing, working, and moulding of the said cement or composition upon any sort of materials, or in working and moulding whole and entire erections and substances therewith"; to hold, &c; six months. By writ, &c.

BRUNTON. 19th July 1817.

4145. A grant unto FREDERICK BRUNTON, of Bride Lane, Fleet Street, in the city of London, gentleman, for his invented "New mode of employing silk or other materials in the making of hats and bonnets"; to hold, &c; 2 months. By writ, &c.

VALLET.
5th August 1817.

4146. A grant unto LOUIS FELIX VALLET, late of Paris, but now of Walbrook, in the city of London, gentleman, for his invt[d] "The manufacture of a new ornamental surface to metals or metallic compositions"; to hold, &[c]; six mo[s]. By writ, &[c].

STRATTON.
5th August 1817.

4147. A grant unto GEORGE STRATTON, of Piccadilly, in the county of Middlesex, ironmonger, for his invt[d] "Method of saving fuel by improvements in fire places, and more effectually heating and ventulating buildings"; to hold, &[c]; six mo[s]. By writ, &[c].

ATTWOOD.
5th August 1817.

4148. A grant unto CHARLES ATTWOOD, of Bridge Street, Blackfriars, in the city of London, window and glass manufacurer, for his invt[d] "A certain improvement or improvements in the manufacture of window glass of the kind or description commonly wrought or fabricated into crown glass or German sheet glass; and also in a certain process or processes in the manufacture of crown glass"; to hold to him, &[c]; 2 mo[s]. By writ, &[c].

HAWKS.
5th August 1817.

4149. A grant unto JOHN HAWKS, of Gateshead, in the county of Durham, iron founder, for his invented "New method of making iron rails, to be used in the construction of railways, which will render such railways more durable and not liable to be affected by such accidents as those constructed with the rails now in use"; to hold, &[c]; 2 months. By writ, &[c].

GRANHOLM.
5th August 1817.

4150. A grant unto LUDVIG GRANHOLM, of Foster Lane, in the city of London, captain in the royal navy of Sweden, for his int[d] "New or improved method or methods, process or processes, mean or means, of preserving such animal and vegetable products or substances, separately or mixed together, as are fit for the food of man, and for such a length of time as to render them fit for ship and garrison stores"; to hold, &[c]; 6 mo[s]. By writ, &[c].

HILL.
5th August 1817.

4151. A grant unto ANTHONY HILL, of Plymouth Ironworks, in the county of Glamorgan, ironmaster, for his invt[d] or found out "Certain improvements in the working of iron"; six months to inroll. By writ, &[c].

DICKINSON.
5th August 1817.

4152. A grant unto JOHN DICKINSON, of Nash Mills, in y[e] parish of Abbotts Langley, in y[e] cõy of Hertford, esq[r], for his invt[d] "Method of manufacturing, by means of machinery, paper for copper plate printing; also papers for writing, drawing, letter press print[s], and of a thicker sort for boards, & similar in texture & substance to card boards or paste boards; and certain improvements in his patent machinery and cutting paper"; six months. By writ, &[c].

MAC CARTHY.
5th August 1817.

4153. A grant unto DENNIS MAC CARTHY, of Little Compton Street, in y[e] parish of S[t] Anns, Soho, in the county of Midx, for his invented "Certain improvements on ploughs of various descriptions"; to hold, &[c]; six mo[s]. By writ, &[c].

PERKS.
5th August 1817.

4154. A grant unto JOHN PERKS, of Carey Street, in the parish of Saint Johns, Westminster, in the county of Midx, engineer, for his invt[d] "Certain improvements in the apparatus for manufacturing, purifying, and storeing gas"; to hold, &[c]; six months. By writ, &[c].

TAFT.
5th August 1817.

4155. A grant unto THOMAS TAFT, of Birmingham, in y[e] cõy of Warwick, sadler, whip maker, and bridle cutter, for his invt[d] "Improvement in bridle and other reins used or affixed to bits or other things; and also an improvement in bridle bits and leather sliding loop to act with reins and bits"; to hold, &[c]; six months. By writ, &[c].

MERSEY.
7th August 1817.

4156. A grant unto SAMUEL MERSEY the younger, of Long Acre, in the parish of Saint Martin-in-the-Fields, in ye Fields, in the county of Midx, for his invtd and found "An improved mode or method of weaving, making, and manufactrs of livery lace and coach lace"; to hold, &c; 2 months. By writ, &c.

BALL.
9th August 1817.

4157. A grant unto EDMUND RICHARD BALL, of Albury Mills, in ye parish of Albury and county of Surry, paper manufacturer, for his invtd or found out "A new method of manufactrs paper of superior strength and durability, for bills or notes, or other uses requiring strength"; to hold, &c; 2 months. By writ, &c.

ADEY.
12th August 1817.

4158. A grant unto GEORGE ADEY, of Dudbridge, in the cõy of Gloucester, clothier, in consequence of a communication made to him by a certain foreigner residing abroad, together with certain additions of his own invention, he is in possession of "Certain improvements on frames or machines used for shearing or cropping of woollen and other cloths, and in fixing the shears used in such frames or machines"; to hold, &c; 2 months. By writ, &c.

BIGGS.
12th August 1817.

4159. A grant unto EDWARD BIGGS, of Birmingham, in ye cõy of Warwick, brass founder, for his invtd "Improvements in ye method of making or manufacturing pans and stails of various kinds"; to hold, &c; 2 mos. By writ, &c.

BOUNSALL.
12th August 1817.

4160. A grant unto JAMES BOUNSALL, of Crown Street, Old Street Road, in ye parish of Shoreditch, and cõy of Midx, taylor, for his invtd "Improvements in ye machinery used for tarring, reeling, and twisting of yarn, and forming ye lissims or shands of cables and other cordage, & manufactrs rope of every size"; to hold, &c; six months. By writ, &c.

GELDART.
SERVANT.
12th August 1817.

4161. A grant unto WILLIAM GELDART and JOHN SERVANT, both of Leeds, in the county of York, house carpenters and copartners, for their invented "Certain improvements in mangles"; to hold, &c; 2 months. By writ, &c.

WILKINSON.
23rd August 1817.

4162. A grant unto JEPTHA AVERY WILKINSON, late of New York, in the United States of America, but now residing in Covent Garden, in the county of Middx, esquire, for his invented "Certain improvements in the application of machinery for the purpose of manufactrs of weavers reeds by water & other power"; to hold, &c; six months. By writ, &c.

MAC CARTHY.
26th August 1817.

4163. A grant unto JAMES ALEXANDER MAC CARTHY, of Millbank Street, in the parish of Saint Margarets, Westr, in ye cõy of Middx, for his invented "Road or way for passing across rivers, creeks, and waters, and from shore to shore thereof, without stoppage or impediment to the constant navigation thereof, and across ravins, fissures, cliffs, & chasms; and hath invtd a new method or methods of constructs arches or apertures for the running and flowing of water through the same, or under bridges, to be used and applied in the construction of the before mentioned road or way and otherwise"; to hold, &c; 6 mos. By writ, &c.

MEDHURST.
26th August 1817.

4164. A grant unto GEORGE MEDHURST, of Denmark Street, in ye parish of Saint Giles-in-the-Fields, in the county of Middlesex, engineer, for his invented "An arrangement of implements to form certain apparatus, which he denominates the hydraulic balance, applicable to mechanical and hydraulic purposes"; to hold, &c; six months. By writ, &c.

CHAMPNESS. BINKS. 28th August 1817.

4165. A grant unto JAMES MASON CHAMPNESS, white smith, and HENRY BINKS, clock and watch maker, both of Cheshunt Street, in the county of Hertfordshire, for their invented "Certain improvements on axletrees of carriages of various descriptions"; to hold, &c; 2 months. By writ, &c.

MANTON. 26th Sept. 1817.

4166. A grant unto JOSEPH MANTON, of Davies Street, Berkeley Square, in ye parish of Saint George, Hanover Square, in the cõy of Middlesex, gunmaker, for his invented found out "Certain improvements in locks for fire arms"; to hold, &c; six months. By writ, &c.

DALE. 3rd October 1817.

4167. A grant unto JOHN DALE, of White Lion Street, Pentonville, in ye cõy of Midx, millwright, for his invtd or found out "The application of a certain material, hitherto unused for that purpose, to the making of rollers or cylinders of various descriptions"; to hold, &c; two months. By writ, &c.

HARRY. 3rd October 1817.

4168. A grant unto WILLIAM HARRY, of Moriston, near Swansea, in the county of Glamorgan, smelter of copper ores, for his invented "Improvement or improvements in the building, constructing, or erecting the roofs or upper parts of furnaces used for the smelting of copper and other ores, or any of their metals, or for any other purposes requiring strong fires"; to hold, &c; two months. By writ, &c.

OLDHAM. 10th October 1817.

4169. A grant unto JOHN OLDHAM, of South Cumberland Street, in the city of Dublin, esqr, for his invented "Improvement or improvements in the mode of propelling ships and vessels on seas, rivers, and canals, by the agency of steam"; to hold, &c; six months. By writ, &c.

DICKINSON. 1st Nov. 1817.

4170. A grant unto ROBERT DICKINSON, of Great Queen Street, Lincolns Inn Fields, in the cõy of Midx, esqr, for his invtd "Improvement or improvements in the sea bacons and their moorings"; to hold, &c; six months. By writ, &c.

DIZI. 1st Nov. 1817.

4171. A grant unto FREDERICK JOHN DIZI, of Crabtree Street, in the parish of Fulham and cõy of Midđx, for his invtd "Certain improvements on harps"; to hold, &c; six months.

MOLLE. 1st Nov. 1817.

4172. A grant unto FRANCOIS MARCELLIN MOLLE, of Bucklersbury, in the city of London, merchant, in consequence of a communication made to him by a certain foreigner residing abroad he is possessed of "Certain improvements in propelling boats and other vessels"; to hold, &c; six mos. By writ, &c.

OGLE. 1st Nov. 1817.

4173. A grant unto HENRY MEADE OGLE, of Turnham Green, in the county of Middx, esquire, for his invtd "Certain improvements in and on tea and coffee pots and biggins"; to hold, &c; six months. By writ, &c.

CLYMER. 1st Nov. 1817.

4174. A grant unto GEORGE CLYMER, late of Pennsylvania, in the United States of America, but now of Cornhill, in the city of London, mechanic, for his invtd "Certain improvements on printing presses"; to hold, &c; 6 months. By writ, &c.

SHEARS. 1st Nov. 1817.

4175. A grant unto DANIEL TOWERS SHEARS, of Fleet Market, in the city of London, copper smith, for his invtd "Machine for the cooling of liquids, and which may be applied to the condensation of vapour, and may be of great utility in the condensing of spirits in the process of distillation and cooling worts, beer, and other liquids"; to hold &c; 2 months. By writ, &c.

HANSARD. 1st Nov. 1817.

4176. A grant unto THOMAS CURSON HANSARD, of Peterborough Court, Fleet Street, in the city of London, printer, for his invented "Certain improvements on and additions to printg presses, and also in the processes of printing"; to hold, &c; six months. By writ, &c.

HALL. 3rd Nov. 1817.

4177. A grant unto SAMl HALL, of Bassford, in the cŏy of Nottingham, cotton spinner, for his invtd or found out "A certain method of improving thread or yarn, as usually manufactured, of every description, whether fabricated from flax, cotton, wool, silk, or any other vegetable, animal, or other substance whatever"; to hold, &c; 6 months. By writ, &c.

HALL. 3rd Nov. 1817.

4178. A grant unto SAMUEL HALL, of Basford, in the cŏy of Nottingham, cotton spinner, for his invtd or found out "A certain method of improving every kind of lace, or net, or any description of manufactured goods whose fabric is composed of holes or interstices made from thread or yarn, as usually manufactured, of every description, whether fabricated from flax, cotton, wool, silk, or any other vegetable, animal, or other substance whatever"; 6 months. By writ, &c.

NIEPEE. 25th Nov. 1817.

4179. A grant unto JOSEPH CLAUDE NIEPEE, of Frith Street, Soho Square, in the county of Midd̆x, esquire, in consequence of a communication made to him by his brother, Joseph Nicephore Niepee, he being a foreigner resident abroad, together with certain additions of his own invention, he is in possession of "Certain improvements in the means of propelling boats and other vessels, and which improvements are also applicable to machinery of various descriptions"; to hold, &c; six mos.

BAISLER. 28th Nov. 1817.

4180. A grant unto FRANCIS BAISLER, of Oxford St, in the cŏy of Midd̆x, stationer, for his invtd "Certain improvements on the machinery used for cutting paper, which he intends to denominate Baislers patent paper plough"; to hold, &c; six months. By writ, &c.

HAGUE. 28th Nov. 1817.

4181. A grant unto JOHN HAGUE, of Pearl Street, Spital Fields, in the cŏy of Middx, engineer, for his found out and invented "Certain improvements in the method of expelling molasses and syrup from sugars, and also in the refining of sugars"; to hold, &c; six mos. By writ, &c.

TURNER. 5th Dec. 1817.

4182. A grant unto JOHN TURNER, of Birmingham, in the cŏy of Warwick, button maker, for his invtd "Certain imprts in the plating copper or brass, or a mixture of copper and brass, with pure or standard gold, or gold mixed with a greater portion of alloy, and in the preparation of the same for rolling into sheets"; 6 mos. By writ, &c.

BUSK. HARVEY. 5th Dec. 1817.

4183. A grant unto WILLIAM BUSK, of Ponsbourn Park, in the county of Hertford, and ROBERT HARVEY, of Epping, in the county of Essex, victualler, for their invtd "Certain imprts in the means or mode of making pipes and tubes of porcelain, clay, or other ductile substances"; six months. By writ, &c.

STRATTON. 5th Dec. 1817.

4184. A grant unto WILLIAM STRATTON, of Gutter Lane, Cheapside, in the city of London, engineer, for his invtd "Improvements on certain part or parts of gas apparatus'; to hold, &c; 6 mos. By writ, &c.

WELD. 5th Dec. 1817.

4185. A grant unto JOSEPH WELD, of Pylewell House, in the county of Southampton, esquire, for his invtd and brought to perfection "A machine for separating corn, grain, and seeds from the straw"; to hold, &c; 2 months. By writ, &c.

PRICE.
5th Dec. 1817.

4186. A grant unto STEPHEN PRICE, of Stroud, in the cõy of Gloucester, engineer, for his invt^d "Improved substitute for teasles, to be used in the dressing of woollen cloth or any cloth or fabrick which requires dressing"; to hold, &^c ; 2 months. By writ, &^c.

POOLE.
15th Dec. 1817.

4187. A grant unto MOSES POOLE, of Lincolns Inn Old Square, in the cõy of Midx, in consequence of a com^n by a certain foreigner residing abroad he is in possession of "Certain improve^ts on steam engines"; to hold, &^c ; 6 mo^s. By writ, &^c.

HOLDWORTH.
19th Dec. 1817.

4188. A grant unto ARTHUR HOWE HOLDWORTH, of Dartmouth, in the cõy of Devon, for his invt^d "Improvem^t or improvements on gazometors"; to hold, &^c ; 2 months. By writ, &^c.

LEWIS.
LEWIS.
DAVIS.
19th Dec. 1817.

4189. A grant unto JOHN LEWIS, clothier, WILLIAM LEWIS, dyer, and WILLIAM DAVIS, engineer, all of Brimscomb, in the cõy of Gloucester, for their invt^d "Certain improvements on wire gig mills, for the purpose of dressing woollen and other cloths that may require such process"; to hold, &^c ; six mo^s. By writ, &^c.

PAPPS.
19th Dec. 1817.

4190. A grant unto THOMAS PAPPS, of N^o 4, Clayton Place, Kennington, in the cõy of Surry, accountant, for his invt^d "Certain new improvements in certain books of account commonly known under the names or denominations of cash book, bought and sale day books or journal, and ledger"; to hold, &^c; 2 months. By writ, &^c.

CHABANNES.
19th Dec. 1817.

4191. A grant unto JEAN FREDERICK Marquis DE CHABANNES, of Drury Lane, in the county of Midx, for his invt^d & brought to perfection "A new method of construct^g pipes or tubes of copper, sheet lead, sheet iron, tin, or other metals or mixture of metals capable of being reduced into sheets"; to hold, &^c ; 2 months. By writ, &^c.

CHABANNES.
19th Dec. 1817.

4192. A grant unto JEAN FREDERICK Marquis DE CHABANNES, of Drury Lane, in the cõy of Middlesex, that he is in possõn of "Certain improvements upon the invt^ns for which Letters Patent were granted to him, the first bearing date the 16^th day of Jañry in the 55^th year of our reign, and the 2^d bearing date the 5 day of Dec^r in the 56^th year of our reign, which impr^ts are applicable to the purposes of warming, cooling, or conducting air in houses or other buildings, and also of warming, cooling, evaporating, condensing, and taking the residum from liquids, and to other useful purposes"; and partly his own inv^n, & partly communicated to him by a foreigner residing abroad ; to hold, &^c ; six mo^s. By writ, &^c.

CLELAND.
22nd Dec. 1817.

4193. A grant unto W^m CLELAND, of Bolton-le-Mores, in y^e cõy palatine of Lancaster, gentleman, for his invt^d "Improvement in bleaching of flax and hemp, and also in the bleaching of yarn and cloth or other goods made of either of these articles"; to hold, &^c ; six months. By writ, &^c.

COWPER.
7th Jan. 1818.

4194. A grant unto EDWARD COWPER, of Nelson Square, in the county of Surry, printer, for his invt^d or found out "Certain improvements in printing presses or machines used for print^g"; to hold, &^c ; 2 months. By writ, &^c.

COLLIER.
15th Jan. 1818.

4195. A grant unto JOHN COLLIER, of Frocester, in the cõy of Gloucester, engineer, for his invt^d "certain improvements on a machine or machinery for the purpose of cropping or shearing woollen cloths of every description"; to hold, &^c ; two months. By writ, &^c.

LEWIS.
LEWIS.
DAVIS.
15th Jan. 1818.

4196. A grant unto JOHN LEWIS, clothier, WILLIAM LEWIS, dyer, and WILLIAM DAVIS, engineer, all of Brimscomb, in the cõy of Gloucester, for their invd "Certain improvements on shearing machines for shearing or cropping woollen and other cloths that may require such a process," the same being further improvets on a Patent obtained by John Lewis for an improved shearing machine, dated the 27th day of July 1815; to hold, &c; six months. By writ, &c.

TAYLOR.
15th Jan. 1818.

4197. A grant unto PHILIP TAYLOR, of Bromley, in the county of Midx, operative chemist, for his invented "New method of applying heat in certain processes to which the same method hath not been applied; likewise for improvements in refrigerators"; to hold, &c; six months. By writ, &c.

MOULT.
15th Jan. 1818.

4198. A grant unto WILLIAM MOULT, of Bedford Square, in the county of Middlesex, for his invented "Certain improvements in steam engines," being further improvements on his former Patent for "An improved method of acting upon machinery"; to hold, &c; six months. By writ, &c.

PALMER.
15th Jan. 1818.

4199. A grant unto GEORGE HOLWORTHY PALMER, of Regent Street, in the parish of St John, Westminster, in the county of Middx, gentleman, for his invtd "New mode of purifying certain descriptions of gases"; to hold, &c; 6 months. By writ, &c.

KOSTER.
15th Jan. 1818.

4200. A grant unto JOHN THEODORE KOSTER, of Liverpool, in the cõy of Lancaster, merchant, for his invtd "New improved method of building or constructing wheeled carriages, and also of making or constructing wheels for carriages"; to hold, &c; 2 mos. By writ, &c.

FRASER.
15th Jan. 1818.

4201. A grant unto JAMES FRASER, of Long Acre, in the parish of St Martin-in-the-Fields, in the cõy of Midx, engineer & coppersmith, for his invtd "Cooking machine for the more simple and effectual decomposition of salt water, & to render the sd salt water more useful to the general purposes of a ships crew, &c, at sea, without any extra apparatus except the sd cooking machine; or, in other words, its structure will answer the end of worm or condenser and worm tub, &c, &c"; to hold, &c; 2 months. By writ, &c.

BRIGHTLY.
DONKIN.
17th Jan. 1818.

4202. A grant unto CHARLES BRIGHTLY, of Bungay, Suffolk, printer, and BOYAN DONKIN, of Grange Road, in the parish of Bermondsey, and cõy of Surrey, engineer, for their invtd "Improved machine or printing press for printing from types, plates, or blocks"; to hold, &c; 4 months. By writ, &c.

CORTY.
20th Jan. 1818.

4203. A grant unto JOSEPH CORTY, of Harley Street, Cavendish Squr, in the cõy of Middlesex, merchant, in consequence of a cõn made to him by a certain foreigner residing abroad he is in possion of "Certain improvements on and additions to stills, or the apparatus used for distilling; and also in the process of distilling and rectifying"; to hold, &c; six mos. By writ, &c.

BRUNEL.
20th Jan. 1818.

4204. A grant unto MARC ISAMBARD BRUNEL, of Lindsay Row, Chelsea, in the county of Middlesex, civil engineer, for his invtd "Method or methods for forming tunnels or drifts under ground"; to hold, &c; six mos. By writ, &c.

RONALDS.
23rd Jan. 1818.

4205. A grant unto HUGH RONALDS, of Hammersmith, in the county of Middx, gentleman, for his invented "Certain improts in the art of making leather"; to hold, &c; six months. By writ, &c.

Wilson. 23rd Jan. 1818.

4206. A grant unto Benjamin Wilson, of Abbey Street, Bermondsey, in the county of Surrey, flax manufacturer, for his invt^{d} or found out "New machine for breaking, and swingling, and preparing flax or hemp"; to hold, &^{c}; six months. By writ, &^{c}.

Banks. 23rd Jan. 1818.

4207. A grant unto Richard Banks, of Hadley, in the parish of Wellington, in the cõy of Salop, engineer, for his invt^{d} "Certain further improvements on wheeled carriages"; to hold, &^{c}; six months. By writ, &^{c}.

Calderbank. 23rd Jan. 1818.

4208. A grant unto Thomas Calderbank, of Liverpool, in the cõy of Lancashire, plumer, for his invt^{d} "Certain impr^{ts} in the working of pumps and other machinery"; to hold, &^{c}; two months. By writ, &^{c}.

Scott. 23rd Jan. 1818.

4209. A grant unto John Scott, of Penge Place, in the cõy of Surry, esquire, for his invented & discovered "Improvement in steam boats, and in the machinery for propelling the same"; to hold, &^{c}; 2 months. By writ, &^{c}.

Ikin. 27th Jan. 1818.

4210. A grant unto James Ikin, of William Street, in the parish of Christ Church, Surrey, mechanist, for his invented "Improved method or methods of constructing or manufact^{s} fire or furnace bars or gratings"; to hold, &^{c}; 2 months. By writ, &^{c}.

Hagner. 27th Jan. 1818.

4211. A grant unto George Frederick Hagner, late of Philadelphia, in the United States, but now of the Adelphi, in the county of Midx, gentleman, for his invt^{d} "Certain impr^{ts} in the art of manufact^{s} the pigments commonly known by the names of white lead and verdigris"; to hold, &^{c}; six months. By writ, &^{c}.

Akerman. 27th Jan. 1818.

4212. A grant unto Rudolph Akerman, of the Strand, in the county of Middlesex, publisher and print seller, in consequence of a communication made to him by George Lenskensperger, of Munich, in the kingdom of Bavaria, he is in possession of "Certain improvements on axletrees, applicable to 4 wheeled carriages"; to hold, &^{c}; six months. By writ, &^{c}.

Horner. 27th Jan. 1818.

4213. A grant unto William Horner, of Howick, in the cõy of Northumberland, clerk, batchelor of arts, for his invt^{d} "Machine or apparatus for the purpose of acquiring a very high mechanical power in a small compass and with little friction, and without the possibility of running amain if employed in raising or lowering weights"; to hold, &^{c}; 6 months. By writ, &^{c}.

Prior. 29th Jan. 1818.

4214. A grant unto George Prior, of Leeds, in the West Riding of y^{e} cõy of York, watchmaker, for his found out an "Inv^{n} for perfectly detaching the escape wheel of chronometers from the influence of the friction and inaccuracies arising from the mainspring, the pivots, and the teeth of all the other wheels and pinions in the machine during the time of its giving impulses to the balance, whereby its vibrations will be more accurately and uniformly supported than by any other invention heretofore made public"; to hold, &^{c}; six months. By writ, &^{c}.

Penwarne. 31st Jan. 1818.

4215. A grant unto John Penwarne, of Stafford Street, in the parish of S^{t} Mary-le-bone, in the county of Middlesex, esq., for his inv^{d} "Certain instrument, being an improvement on the cock for drawing beer, cyder, and other liquors from casks and other vessels"; to hold, &^{c}; 2 months. By writ, &^{c}.

Taylor. 31st Jan. 1818.

4216. A grant unto Benjamin Taylor, of Mile End, near Glasgow, in the cõy of Lanark, for his invented "Loom, to work by the power from a steam engine, which will weave figures or flowers upon either twilled or plain cloth, in either silk, cotton, linen, or worsted, or any of them intermixed"; to hold, &^{c}; two months. By writ, &^{c}.

COCHRANE. 3rd Feb. 1818.

4217. A grant unto Sir THOMAS COCHRANE, knight, commonly called Lord Cochrane, for his invt^d "Improvement or improvements in the process or processes of purifying a certain spirit or essential oil, which is known by the name of spirit of tar or oil of tar, and which is obtained from different ligneous, carbonaceous, or bituminous substances; by means of which improvement or improvements the said oil or spirit will be separated from certain impurities, which have hitherto prevented the application of such oil or spirit to divers useful purposes"; to hold, &c; six months. By writ, &c.

WYATT. 3rd Feb. 1818.

4218. A grant unto MATTHEW COTES WYATT, of Henrietta Street, Cavendish Square, in the parish of Saint Mary-le-bone and county of Middx, esquire, in consequence of a communication made to him by a certain foreigner residing abroad he is possessed of "A safeguard to prevent the accidental movement of the cock of a gun, pistol, or other fire arm forward towards the hammer;" that the same are new in this kingdom, &c; to hold, &c; six months. By writ, &c.

CHUBB. 3rd Feb. 1818.

4219. A grant unto JEREMIAH CHUBB, of Portsea, in the county of Southampton, mechanic, for his invented "Certain improvements in the construction of locks"; to hold, &c; six months. By writ, &c.

WILSON. 3rd Feb. 1818.

4220. A grant unto DANIEL WILSON, of Earl Street, London, gentleman, for his invented "Certain improvements in the process of boiling and refining sugar"; to hold, &c; six months to inroll. By writ, &c.

NAISH. 3rd Feb. 1818.

4221. A grant unto EDMUND NAISH, of Bristol, in the county of Gloucester, hosier, one of the people called Quakers, for his invt^d "Certain improvements on machines or machinery used for winding cotton"; to hold, &c; 4 months. By writ, &c.

PRESTON. 3rd Feb. 1818.

4222. A grant unto GRANT PRESTON, of Burr Street, in the parish of Aldgate and county of Middlesex, brazier, for his invt^d "An imprt^mt in the deck glass rim, and on the safety gate"; to hold, &c; 2 mo^s. By writ, &c.

SMITH. 5th Feb. 1818.

4223. A grant unto NATHANIEL SMITH, of Kettering, in the county of Northampton, cooper, for his invt^d "Certain improvements on winnowing machines"; to hold, &c; six months. By writ, &c.

SEDGWICK. 10th Feb. 1818.

4224. A grant unto MARY SEDGWICK, of Bishopgate Within, starch manufacturer, for her found out or discovered "A valuable product or valuable products from that part of the refuse slime or wash of starch that will not of itself subside"; to hold, &c; two months. By writ, &c.

BARRATT. 10th Feb. 1818.

4225. A grant unto ZACHARIAH BARRATT, of N^o 27, Windmill S^t, Tottenham Court Road, in the county of Middlesex, cabinet maker and carpenter, for his invented "A machine for curing, cleaning, sweeping, and ventilating chimnies; and when chimnies are on fire for extinguishing the same"; to hold, &c; two months. By writ, &c.

MUNRO. 12th Feb. 1818.

4226. A grant unto JOHN MUNRO, of Finsbury Square, in the cõy of Midx, esq^r, in consequence of a com^n made to him by Barnabus Langden, of New York, one of the United States of America, he is possessed of "Certain improvements on steam engines"; to hold, &c; 4 months. By writ, &c.

SIMPSON. 16th Feb. 1818.

4227. A grant unto JOHN SIMPSON, of Birmingham, in the cõy of Warwick, plater, for his invt^d "Improved method of constructing and making spring hooks or woodcock eyes used for coach harness, which principle of spring is intended also to be applied to harness buckles, territs, hooks, harness, and spring swivells"; to hold, &c; 2 months. By writ, &c.

ALLINGHAM.
19th Feb. 1818.

4228. A grant unto THOMAS ALLINGHAM, of Smith Street, in Chelsea, in the county of Middlesex, gentleman, for his invt[d] "Lamp, intended to be called 'the economical and universal lamp,' constructed by means of the flame of the wick being kept in a constant and equal degree of contiguity to the oil, so as to consume, in proportion to the light it gives, a less quantity of oil than other lamps, and also give a continued light of almost unvaried brilliancy; to hold, &[c]; six months. By writ, &[c].

JONES.
19th Feb. 1818.

4229. A grant unto JOHN JONES, of the city of Gloucester, brush manufacturer, for his invt[d] "Improvements in certain parts of the machinery or instruments used for the dressing of woollen and other cloths"; 2 months. By writ, &[c].

COLLYER.
19th Feb. 1818.

4230. A grant unto JAMES COLLYER, of Frocester, in the cõy of Gloucester, civil engineer, for "Various improvements on a machine now in use for the dressing and gigging of woollen and other cloths"; to hold, &[c]; 2 months. By writ, &[c].

HALIBURTON.
27th Feb. 1818.

4231. A grant unto ALEXANDER HALIBURTON, of Haigh Iron Works, near Wigan, in the county of Lancashire, esquire, for his invt[d] "Certain improvements in steam engines and boilers"; to hold, &[c]; two months. By writ, &[c].

ROUTLEDGE.
27th Feb. 1818.

4232. A grant unto JOSHUA ROUTLEDGE, of Bolton-le-Moor, in the county of Lancaster, engineer, for his invt[d] "Improvement or improvements upon the rotative steam engine"; to hold, &[c]; six months. By writ, &[c].

SUTHERLAND.
7th March 1818.

4233. A grant unto JOHN SUTHERLAND, of Liverpool, in the county of Lancaster, and also of N[o] 99, Houndsditch, in the city of London, coppersmith, for his invented "Various improvements in the construction of an apparatus for the purifying of liquids"; to hold, &[c]; 2 months. By writ, &[c].

HEPPENSTALL.
7th March 1818.

4234. A grant unto THOMAS HEPPENSTALL, of Doncaster, in the county of York, machine maker, for his invented "Improvem[t] upon the engine or machine for cutting or reducing into what is called chaff, different articles, as dry fodder for horses and cattle"; to hold, &[c]; 2 months. By writ, &[c].

WYKE.
SAMPSON.
14th March 1818.

4235. A grant unto GEORGE WYKE, of Bath, in the county of Somerset, esquire, and WILLIAM SAMPSON, of Bristol, in the same county, mechanic, for their invented "Certain improvements on pumps, which improvements are applicable to machinery of various descriptions"; to hold, &[c]; 6 months. By writ, &[c].

READ.
HOWELL.
14th March 1818.

4236. A grant unto JOHN READ, of Tipton, in the county of Stafford, gentleman, and WILLIAM HOWELL, of Wednesbury, in the same cõy, ground bailiff, for their invt[d] "New system of working and getting the main or thick mine of coals"; to hold, &[c]; two months. By writ, &[c].

PENN.
14th March 1818.

4237. A grant unto RICHARD PENN, of Richmond Hill, in the county of Surrey, for his "Improved mode of manufacturing ornamental wooden furniture by the application of machinery"; to hold, &[c]; 2 calendar months. By writ, &[c].

ASHTON.
GILL.
14th March 1818.

4238. A grant unto JOHN ASHTON, of Great Tower S, in the city of London, wine merchant, and THOMAS GILL, of Greek S[t], Soho, in the cõy of Midx, hydrometer manufacturer, for their invented "Certain improvements in

or on instruments and apparatus for ascertaining the strength of spirituous liquors, and also the specific gravity of fluids and metals"; to hold, &c; six months. By writ, &c.

McCarthy. 8th April 1818.

4239. A grant unto John James Alexander McCarthy, No 4, Spring Gardens, Westr, in the cõy of Middlesex, gentleman, for his invented "New or improved method or methods of applying granite or other material in the making, constructing, or forming pavement, pitching, and covering for streets, roads, ways, and places"; to hold, &c; six months.

Annesley. 8th April 1818.

4240. A grant unto William Annesley, of Belfast, in that part of our united kingdom called Ireland, architect, for his invtd "Certain improvements in the constructing ships, boats, and other vessels"; to hold, &c; six mos.

Cochrane. 8th April 1818.

4241. A grant unto Sir Thomas Cochrane, knight, commonly called Lord Cochrane, for his invtd and brought to perfection "The working or making of a manufacture, being lamps for streets, which effectuate & regulate the combustion of a certain purified essential oil or spirit obtained from different ligneous, carbonaceous, or bituminous substances, usually called spirit of tar or oil of tar; and also working or making a manufacture, being an arrangement or arrangements of parts of lamps, whereby all other lamps in which flame is inclosed, as in street lamps, within glass vessels or cases capable of transmitting of light, and of protecting the flame from the wind and weather, are adapted to the production of a clear light by the combustion or decomposition of the said purified oil or spirit therein, & the use of the said purified essential oil or spirit in such lamps"; to hold, &c; six mos.

Hopkinson. 8th April 1818.

4242. A grant unto Wm Hopkinson, of High Holborn, in the cõy of Middx, coach maker, for his invtd or found out "A machine or apparatus to prevent the wheels of waggons, carts, coaches, & all other carriages from coming off by accident, and which invn he intends to denominate or call 'a wheel detainer'"; to hold, &c; 2 mos. By writ, &c.

Whitham. 8th April 1818.

4243. A grant unto George Whitham, of Sheffield, in the cõy of York, manufacturer of spindles, for his invtd "Certain machinery for grinding, glazing, and dressing small cotton and woollen spindles for spinning on jenney, billey, and mule or other kind of machine for fine work"; to hold, &c; 2 mos. By writ, &c.

Booth. 8th April 1818.

4244. A grant unto William Booth, of Eckington, in the county of Derby, turner in wood, for his invtd or found out "A method or process of making, by a certain machine or machines, wooden clogs for pattens, wooden clogs or soles for shoes, & a description of wooden clogs commonly called or known by the name or description of the Devonshire clogs, or by whatsoever other name or names, description or descriptions, the same several clogs or soles are commonly called, known, described, or distinguished"; to hold, &c; 2 mos. By writ, &c.

Church. 8th April 1818.

4245. A grant unto Wm Church, late of the New York Coffee House, Sweetings Alley, Cornhill, in the city of London, but now of Upper Clifton Street, Finsbury Square, in the cõy of Middx, gent., for his invtd or found out "Certain improvements in the steam engine"; to hold, &c; 4 mos.

Lang. Smith. 11th April 1818.

4246. A grant unto Gilbert Lang and Robert Smith, both printers in Glasgow, for their invtd or found out the "Mode of producing the Swiss new deep and pale reds by topical mordaunts, and a pale blue discharge on said reds"; to hold, &c; 2 mos. By writ, &c.

CLAYTON.
16th April 1818.

4247. A grant unto ROBERT CLAYTON, of Nelson Street, in the cŏy of Dublin, artist, for his invt^{d} or found out "A new method of depositing or inserting certain metals or a mixture of metals in wood, ivory, bone, horn, paper, and pottery ware, whereby the old & tedious process of inlaying may be suspended, & the same effects be permanently produced in a shorter time & at less expense than by any other process now in use"; to hold, &^{c}; six mo^{s}. By writ, &^{c}.

CRAWSHAY.
MUSHET.
18th April 1818.

4248. A grant unto WILLIAM CRAWSHAY the younger, of Cyfarthfa Iron Works, in the cŏy of Glamorgan, esquire, and DAVID MUSHET, of Coleford, in the cŏy of Gloucester, ironmaster, for their found out and discovered inv^{n} or "Improvement for the making or manufacturing of bar or other iron from certain refuse, slags, or cinders, produced in the smelting of copper ores, and in the manufacturing of copper"; to hold, &^{c}; 2 mo^{s}. By writ, &^{c}.

APPLEGARTH.
23rd April 1818.

4249. A grant unto AUGUSTUS APPLEGARTH, of Nelson Square, Great Surrey Street, in the county of Surrey, printer, for his invt^{d} or found out "Certain improvements in the art of casting stereotype or other plates for printing; and in the construction of plates for printing bank or bankers notes, or other printed impressions, where difficulty of imitation is a desideratum"; to hold &^{c}; 2 mo^{s}. By writ, &^{c}.

BRIDGMAN.
23rd April 1818.

4250. A grant unto EDWARD LILLIE BRIDGMAN, of Goswell Street Road, in the parish of S^{t} Lukes, in the county of Middlesex, tallow chandler, for his invt^{d} "Certain improvements in making coffins, and in machines for conveying coffins for interment, and appendages for the same, in the church and burial ground"; to hold, &^{c}; 2 mo^{s}. By writ, &^{c}.

TYER.
2nd May 1818.

4251. A grant unto GEORGE TYER, of Homerton, in the cŏy of Midđx, gentleman, for his inv^{d} "Chain pump"; to hold, &^{c}; 2 mo^{s}. By writ, &^{c}.

ROWE.
4th May 1818.

4252. A grant unto JOSHUA ROWE, of Torpoint, in the cŏy of Cornwall, merchant, for his invented "Certain improvement or improvements, or process or processes, applicable to the printing of cotton and other cloths, and to other purposes"; to hold, &^{c}; six months. By writ, &^{c}.

COCHRANE.
GALLOWAY.
4th May 1818.

4253. A grant unto Sir THOMAS COCHRANE, knight, commonly called Lord Cochrane, and ALEXANDER GALLOWAY, of Holborn, in the cŏy of Middlesex, engineer, for their invt^{d} and brought to perfection "The working or making a manufacture, being a machine or machines for removing the inconvenience of smoke or gases generated in stoves, furnaces, or fire places by the ignition or combustion of coals or other inflammable substances, and in certain cases for directing the heat and applying such smoke or gases to various useful purposes"; to hold, &^{c}; six months. By writ, &^{c}.

BUSH.
5th May 1818.

4254. A grant unto WILLIAM BUSH the younger, of Bermondsey, in the cŏy of Surrey, engineer, for his invented "Improvement in the method of drying and preparing of malt, wheat, & other grain"; to hold, &^{c}; six months. By writ, &^{c}.

BENJAMIN.
5th May 1818.

4255. A grant unto WOLF BENJAMIN, of Plymouth Dock, in the cŏy of Devon, umbrella manufacturer, for his invt^{d} "Composition, varying in colour, with a peculiar method of applying, for the purpose of rendering canvass, linen, and cloth durable, plyable, free from cracking, and waterproof; and also for preserving every kind and description of wood from wind or weather, whether applied to ships, houses, or manufacturies, and for all purposes where paint, varnish, or tar are used for the purpose of preservation or beauty, and whether applied to cannon or iron of every description"; to hold, &^{c}; 2 months. By writ, &^{c}.

JONES. PLIMLEY. 7th May 1818.

4256. A grant unto THOMAS JONES, of Bradford Street, Birmingham, in the cõy of Warwick, iron founder, and CHARLES PLIMLEY, of Birmingham aforesaid, refiner, for their invtd "Improvement to blast engines and steam engines"; to hold, &c; 2 months. By writ, &c.

TODD. 7th May 1818.

4257. A grant unto THOMAS TODD, of Swansea, in the cõy of Glamorgan, organ builder, for his invtd "Certain improvements in rolling of iron and making of wire nails, brads, and screws"; to hold, &c; six months. By writ, &c.

CHURCH. 7th May 1818.

4258. A grant unto WILLIAM CHURCH, of Turner Street, Commercial Road, gentleman, for his invented "Certain improvements in or upon the machinery for making nails and spikes of various forms and dimensions, and also wire and screws of iron, copper, brass, or any other suitable metal"; to hold, &c; six months. By writ, &c.

JENNINGS. 7th May 1818.

4259. A grant unto HENRY CONSTANTINE JENNINGS, of Carburton Street, Fitzroy Square, in the parish of Saint Mary-le-bone, in the county of Middlesex, esquire, for his invented "Improvement in the mariners compass"; to hold, &c; six months. By writ, &c.

ECCLES. 9th May 1818.

4260. A grant unto ROBERT ECCLES, of Edinburgh, for his invented "Certain improvements in the masts, sails, and rigging of ships, or sailing vessels"; to hold, &c; 2 months. By writ, &c.

MILNES. 19th May 1818.

4261. A grant unto THOMAS BROWN MILNES, of Lenton, in the county of Nottingham, bleacher, for his invented "Certain improvements on machinery for the finishing of cotton, angola, and lambs wool stockings, and other frame work goods; also the application of known powers to the working of the said machinery"; to hold, &c; six months. By writ, &c.

St LEGER. 19th May 1818.

4262. A grant unto MAURICE St LEGER, of Saint Giles, Camberwell, in the cõy of Surrey, gentleman, that Mr Vicat, of Soulyac, in the kingdom of France, civil engineer, out of our dominions, that after much study, labour, and at a considerable expense invtd "An improved method of making lime"; that the said Mr Vicat hath communicated the same to him; to hold, &c; six months. By writ, &.

HILLS. HADDOCK. 19th May 1818.

4263. A grant unto THOMAS HILLS, of Bromley, in the coỹ of Middlesex, merchant, and URIAH HADDOCK, of the City Terrace, City Road, in the coỹ of Middx, chemist, for their invtd "Improvement in the manufacture of sulphuric acid"; to hold, &c; six mos. By writ, &c.

MOTLEY. 19th May 1818.

4264. A grant unto THOMAS MOTLEY, of the Strand, in the county of Middlesex, patent letter manufacturer, for his invtd "Certain improvements on ladders"; to hold, &c; 2 mos. By writ, &c.

GREENWAY. 26th May 1818.

4265. A grant unto CHARLES GREENWAY, of Manchester, in the county of Lancaster, cotton spinner, for his invented or found out "Improvement in the operation of opening raw cotton or cotton wool previous to the carding and spinning the same, and by which improvements such operation will be facilitated"; to hold, &c; 2 months. By writ, &c.

DYSON. 26th May 1818.

4266. A grant unto JOHN DYSON, of Watford, in the county of Hertford, for his invtd "Certain apparatus for the culture & tillage of land;" to hold, &c; 2 mos. By writ, &c.

MICHAEL. 26th May 1818.

4267. A grant unto GEORGE MICHAEL, of Saint Austell, in the county of Cornwall, builder, for his invtd "Certain imprts in the method of open and shutting windows or sashes; and also in the application of machinery to the opening window shutters, and in other cases where the afsd imprts may be applied"; to hold, &c; 2 months. By writ, &c.

TAYLOR. 26th May 1818.

4268. A grant unto HENRY TAYLOR, of Kingston, in the county of Surrey, gentleman, for his invented "Certain improvements on machines or apparatus for catching and destroying of rats and other vermin"; to hold, &c; four months. By writ, &c.

HOMFRAY. 28th May 1818.

4269. A grant unto THOMAS HOMFRAY, of the Hyde, in the parish of Kinfare, in the county of Stafford, iron master, for his invted "New kind of bobbin used in spinning and other manufactures"; to hold, &c; 2 months. By writ, &c.

LESTER. 2nd June 1818.

4270. A grant unto WILLIAM LESTER, of the cõy of Middlesex, engineer, for his invented "New method of encreasing & projecting light produced by lamps or other means"; to hold, &c; six months. By writ, &c.

ATKINSON. 10th June 1818.

4271. A grant unto GEORGE ATKINSON, of Leeds, in the cõy of York, canvas manufacturer, for his invented "Combination of materials to produce an article resembling bombazeen"; to hold, &c; 2 months. By writ, &c.

EATON. 18th June 1818.

4272. A grant unto WILLIAM EATON, of Wiln Mills, in the cõy of Derby, cotton spinner, for his invtd "Improvements in certain parts of the machinery employed in the roving and spinning of cotton & wool"; six months. By writ, &c.

WINCH. HOLDEN. 18th June 1818.

4273. A grant unto ROBERT WINCH, of Shoe Lane, in the parish of Saint Andrew, Holborn, in the city of London, printers carpenter & press maker, and RICHARD HOLDEN, of Stafford Street, Saint Mary-le-Bone, in the cõy of Midx, gentleman, for their invented "Machinery to communicate power and motion to various other machinery which requires reciprocating or alternating motion"; to hold, &c; 4 months. By writ, &c.

NEILSON. 22nd June 1818.

4274. A grant JOHN NEILSON, of Linlithgow, in that part of our united kingdom called Scotland, glue manufacturer, for his invtd "Improvement in the tanning and tawing of hides and skins, and in the dying or coloring of leather and other articles"; six months. By writ, &c.

ROUX. 30th June 1818.

4275. A grant unto ALBERT ROUX, of Yverdon, in the canton of Vaud, in Switzerland, doctor in divinity, in consequence of a communication made to him by a certain foreigner residing abroad, for his invtd "Improvement or improvements applicable to locks of different descriptions"; to hold, &c; 2 months. By writ, &c.

BAIRD. 11th July 1818.

4276. A grant unto JOHN BAIRD, manager of the Shots Iron Company, residing in the parish of Shotts, county Lanark, Scotland, North Britain, for his invtd "Various improvements in the manufacturing & making of cast iron boilers used for the purposes of evaporating the juice of sugar cane, or syrup derived from thence, by means of annealing them in a furnace or kiln of a peculiar construction"; to hold, &c; 4 mos. By writ, &c.

BAILEY. 11th July 1818.

4277. A grant unto WILLIAM BAILEY, of High Holborn, in the cõy of Middlesex, ironmonger, for his invented "Certain improvements in sashes, skylights, and frames generally used for the purpose of receiving, holding, & containing gass for the admission of light and the exclusion of rain, snow; and also for making roofs or coverings for houses and various other buildings"; to hold, &c; six months. By writ, &c.

MILTON. 11th July 1818.

4278. A grant unto JAMES MILTON, late of Paisley, in North Britain, but now of Ashton-under-Line, in the cõy of Lancaster, weaver, for his invented and found out "A new species of loom work, whereby figures or

flowers can be produced, in a mode hitherto unknown, upon any fabric of cloth while in the process of weaving, whether such fabric be linen, cotton, woollen, silk, or any of them intermixed" ; to hold, &c ; 2 months. By writ, &c.

RICHTER. 14th July 1818.

4279. A grant unto JOHN RICHTER, of Holloway, in the cõy of Middlesex, gent., in consequence of a communication made to him by a certain foreigner residing abroad he is in possession of "Certain improvements in the apparatus or utensils used for distillation, evaporation, & condensation;" and that the same are new in kingdom ; six months. By writ, &c.

ORMROD. 22nd July 1818.

4280. A grant unto RICHARD ORMROD, of Manchester, in the county palatine of Lancaster, iron founder, for his invtd "Improvement in the manufacturing of copper and other metal cylinders or rollers for calico printing"; to hold, &c ; 4 months. By writ, &c.

SARTORIS. 22nd July 1818.

4281. A grant unto URBANUS SARTORIS, of Winchester Street, in the city of London, merchant, for his invtd or found out "Improvement in the method of producing ignition in fire arms by the condensation of atmospheric air"; to hold, &c ; six months. By writ, &c.

CREIGHTON. 22nd July 1818.

4282. A grant unto HENRY CREIGHTON, of the city of Glasgow, civil engineer, for his invented "New method of regulating the admission of steam into pipes or other vessels used for the heating of buildings or other places"; to hold, &c ; 2 months. By writ, &c.

CLEGG. 24th July 1818.

4283. A grant unto SAMUEL CLEGG, of the city of Westr, in the county of Middlesex, engineer, for his invtd or found out "An improved gazometer or gasholder"; to hold, &c ; six months. By writ, &c.

BLAKEMORE. JAMES. 24th July 1818.

4284. A grant unto RICHARD BLAKEMORE, of Millingriffith Work, in the county of Glamorgan, and JOHN JAMES, of Lower Redbank, in the county of Gloucester, iron masters and tin plate manufacturers, for their invtd and discovered "New kind of plate, which they denominate 'amorphous metal plates,' and likewise a certain improved and more perfect method or methods of crystalizing or rendering crystalizable the surface of tin plates, or iron or copper plates tinned, which plates they call 'amorphous metal plates'"; to hold, &c ; six months.

MANTON. 3rd August 1818.

4285. A grant unto JOSEPH MANTON, of Davies Street, Berkeley Square, in the parish of Saint George, Hanover Square, in the county of Middlesex, gun maker, for his invented or found out "Certain primers for fire arms ; and also certain improvements in the construction of certain of the parts of fire arms" ; to hold, &c ; six months. By writ, &c.

MALAM. 5th August 1818.

4286. A grant unto JOHN MALAM, of Marsham Street, Westminster, in the county of Middlesex, engineer, for his invented "Certain improvements on steam engines" ; to hold, &c ; six months. By writ, &c.

HOLLINGRAKE. 7th August 1818.

4287. A grant unto GEORGE HOLLINGRAKE, of Manchester, in the county palatine of Lancaster, mechanic, for his invented "Improved method of making or manufacturing copper or other metal rollers for calico printing"; to hold, &c ; six months. By writ, &c.

MACHELL. 24th August 1818.

4288. A grant unto THOMAS MACHELL, of Great Ryder Street, in the parish of St James, Westr, in the cõy of Midx, surgeon, for his invtd "Improved method of applying, for medicinal purposes, the agency of atmospheric air, liquid, or gaceous substances to the external surface and to some of the internal cavities and passages of the human body ; and for the more convenient and useful mode of employing oil and spirits, on similar principles, in lamps and other luminous apparatus" ; six months. By writ, &c.

BENNETT. 31st August 1818.

4289. A grant unto JOHN BENNETT, of Manchester, in the county palatine of Lancaster, shopkeeper, for his invt^d "Certain improvements in filtering vessels, and in the filtering medium thereof"; six months. By writ, &c.

BOWYER. 31st August 1818.

4290. A grant unto JOSEPH BOWYER, of Kidderminster, in the county of Worcester, carpet manufacturer, for his invt^d "Improvement in the machinery for making Brussels and cut pile, commonly called Wilton carpeting, figured rugs, and imperial rugs"; to hold, &c; 2 months. By writ, &c.

GREEN. 31st August 1818.

4291. A grant unto RICHARD GREEN, of Lisle Street, Leicester Square, in the county of Middlesex, sadlers ironmonger, for his invt^d "Improvement upon the spring billet for harness, and the application thereof to bridles, heads and reins, bits, sword belts, gun springs, and other purposes"; 2 months. By writ, &c.

SALISBURY. 31st August 1818.

4292. A grant unto WILLIAM SALISBURY, of Brompton, in the cõy of Middlesex, botanist, that he is in possession of "A machine or instrument for the purpose of preparing hemp, flax, and other vegetable fibrous substances," partly communicated to him by a foreigner in the service of His Imperial Majesty the Emperor of Russia, and partly of his own invention; to hold, &c; six mo^s. By writ, &c.

DIZI. 31st August 1818.

4293. A grant unto FREDERICK DIZI, of Crabtree, in the parish of Fulham and county of Middlesex, for his discovered "Improvement in musical wind instruments of a certain description"; to hold, &c; six months. By writ, &c.

STUBBS. 7th Sept. 1818.

4294. A grant unto HENRY STUBBS, of Saint James's Street, in the parish of Saint James and cõy of Midx, blind manufacturer, for his invt^d "Moveable heel for boots, shoes, and other purposes"; six months. By writ, &c.

HOBDAY. 1st October 1818.

4295. A grant unto SAMUEL HOBDAY, of Birmingham, in the county of Warwick, snuffer maker, for his invt^d "New and improved method or principle in the making of snuffers without any spring or lever"; 2 months. By writ, &c.

PARKER. 5th October 1818.

4296. A grant unto THOMAS PARKER the younger, of Seven Oaks, in the county of Kent, bricklayer, for his invented "Method or methods of regulating and improving the draught of chimnies"; to hold, &c; 2 months. By writ, &c.

FINCH. 12th October 1818.

4297. A grant unto WILLIAM FINCH, of Birmingham, in the county of Warwick, gentleman, for his invented "Certain improvements in bridles for horses, which he intends to denominate the 'philanthropic bridle'"; to hold, &c; 2 months. By writ, &c.

CONGREVE. 19th October 1818.

4298. A grant unto Sir WILLIAM CONGREVE, of Cicil Street, in the city of Westminster and county of Middlesex, bar^t, for his discovered and invented "Certain new methods of constructing steam engines"; to hold, &c; six months. By writ, &c.

WATT. 31st October 1818.

4299. A grant unto CHARLES WATT, of Ratcliff Highway, in the cõy of Middlesex, surgeon, for his invented or discovered "Means of gilding and preparing quills and pens, by manual labour and chemical operations, so as to render them more durable and useful"; to hold, &c; 2 months. By writ, &c.

DESFORGES. 31st October 1818.

4300. A grant unto NICHOLAS DESFORGES, of Bucklersbury, in the city of London, merchant, for "Certain improvements in propelling boats and other vessels"; to hold, &c; six months. By writ, &c.

BRUNEL. 5th Nov. 1818.

4301. A grant unto MARC ISAMBARD BRUNEL, of Chelsea, in the cõy of Middlesex, civil engineer, for his invented "New species of tin foil, capable of being crystalized in large, varied, and beautiful crystallization"; to hold, &c; 6 mos. By writ, &c.

BOGAERTS. 10th Nov. 1818.

4302. A grant unto JOHN BOGAERTS, of Air Street, Piccadilly, in the county of Middlesex, gentleman, in consequence of a communication made to him by John Groctaers, now residing at Brussels, he is in possession of "A method or methods for raising and lowering water in canal locks"; to hold, &c; six months. By writ, &c.

WOOLLEY. 10th Nov. 1818.

4303. A grant unto EDWARD WOOLLEY, of Bilston, in the county of Stafford, screw manufacturer, for his invtd "Improvement in the machinery for making wood screw forgings"; to hold, &c; six months. By writ, &c.

INGLEDEW. 10th Nov. 1818.

4304. A grant unto JAMES INGLEDEW, of Little College Street, Westr, in the cõy of Middx, licensed victualler, for his discovered "Means of effecting a saving in the consumption of the ordinary articles of fuel by the application of certain well known articles hitherto unused for that purpose"; to hold, &c; six months. By writ, &c.

POOLE. 10th Nov. 1818.

4305. A grant unto MOSES POOLE, of Lincolns Inn, in the cõy of Middlesex, gentleman, in consequence of a communication made to him by Christoph Dihl, he being a foreigner residing abroad, he is possessed of an invention of "The application of known materials or cements to various purposes, such as modelling statues, making slabs, raising or impressing figures or other ornamental appearances, also to the covering of houses, and in any other manner in which mastic or cement may or can be applied"; to hold, &c; six months. By writ, &c.

GRAFTON. 10th Nov. 1818.

4306. A grant unto JOHN GRAFTON, late of London, and now of Edinburgh, engineer, for his invented "Improved process or method of making carburetted hydrogen gas for the purpose of illumination," which will be of great public utility; to hold, &c; six months. By writ, &c.

HADDEN. 12th Nov. 1818.

4307. A grant unto JAMES HADDEN junior, of Aberdeen, in that part of our united kingdom called Scotland, woollen manufacturer, for his invtd "Improvement in preparing, roving, and spinning of wool"; to hold, &c; six months. By writ, &c.

CLARK. 12th Nov. 1818.

4308. A grant unto GEORGE JAMES CLARK, of Bath, in the cõy of Somerset, working cutler, for his invented "Apparatus for the more easily applying the drag to a carriage wheel"; to hold, &c; six months. By writ, &c.

STYLES. 12th Nov. 1818.

4309. A grant unto WILLIAM STYLES, of Islington, in the cõy of Midds, carpenter, for his invented "Certain improvements in machinery for sifting cinders and discharging the cinders so sifted into a convenient receptacle, which machinery is applicable to other useful purposes;" to hold, &c; two months. By writ, &c.

FRASER. 12th Nov. 1818.

4310. A grant unto JAMES FRASER, of Long Acre, in the parish of Saint Martin-in-the-Fields, in the county of Middlesex, coppersmith and engineer, for his invented "New and original junction of tunnels in a steam boiler; also new flues in the sd steam boiler or the furnace connected with its erection, the sd steam boiler to be for the purposes of lessening the consumption of fuel, the appearance of smoke, and the trouble of attendance"; to hold, &c; 2 months. By writ, &c.

WRIGHT. 14th Nov. 1818.

4311. A grant unto RICHARD WRIGHT, of Token House Yard, in the city of London, engineer, for his invented "Certain improvements in the construction of steam engines, and the subsequent use of steam"; to hold, &c; six months. By writ, &c.

MATTHEWS. 19th Nov. 1818.

4312. A grant unto HENRY MATTHEWS, of Gretton Place, East Bethnal Green, in the cõy of Middlesex, gent., for his discovered and invented "Certain improvements applicable to wheeled carriages, or vehicles of different descriptions, calculated to render them more safe and commodious"; to hold, &c; 2 months. By writ, &c.

CLYMER. 21st Nov. 1818.

4313. A grant unto GEORGE CLYMER, late of Philadelphia, but now of Cornhill, in the city of London, mechanic, for his invtd "Improvements on ships pumps"; to hold, &c; six months. By writ, &c.

CHANCELLOR. 21st Nov. 1818.

4314. A grant unto JOHN CHANCELLOR, of Sacville Street, Dublin, watch maker, for his invented "Instrument for turning the leaves of musical books in a simple and effective manner, with or without pedal work attached"; to hold, &c; six months. By writ, &c.

COLLYER. 24th Nov. 1818.

4315. A grant unto ELISHA HAYDEN COLLYER, late of Boston, in the state of Massachusetts, one of the United States of America, but now of Charter House Square, London, gentleman, in consequence of a communication made to him by a certain foreigner now residing abroad, together with certain additions of his own invention, he is in possession of "An improvement in fire arms of various descriptions, which improvement is also applicable to cannon"; to hold, &c; six months. By writ, &c.

SPENCER. 5th Dec. 1818.

4316. A grant unto JEREMIAH SPENCER, of Great James Street, Bedford Row, in the county of Middlesex, gentleman, one of the people called Quakers, for his invented "Improvement on certain descriptions of fire grates, by which improvement the combustion of smoke is more easily effected"; to hold, & ; two months. By writ, &c.

SEYFFERT. 5th Dec. 1818.

4317. A grant unto FRED^{K} WILLIAM SEYFFERT, of S^{t} Johns S^{t}, Clerkenwell, in the cõy of Middx, watch maker, for his invtd "Improvement on certain descriptions of watches and clocks"; to hold, &c; two months. By writ, &c.

WHITING. 5th Dec. 1818.

4318. A grant unto JOHN WHITING, of Ipswich, in the cõy of Suffolk, builder, for his invented "Window shutter"; to hold, &c; two months. By writ, &c.

PERSHOUSE. 10th Dec. 1818.

4319. A grant unto HENRY PERSHOUSE, of Birmingham, in the county of Warwick, factor, for his invented "Improved method of stamping pans for seales;" to hold, &c; two months. By writ, &c.

BARRON. 10th Dec. 1818.

4320. A grant unto JAMES BARRON, of Wells Street, Oxford S^{t}, in the county of Middlesex, brass founder, for his invtd "Improvement in the making and fixing of knobs generally used on drawers, doors, and cabinets furniture, and known by the name of drawer and mortice furniture knobs;" to hold, &c; six months. By writ, &c.

JOHNSON. 22nd Dec. 1818.

4321. A grant unto DENIS JOHNSON, of 75, Long Acre, in the parish of S^{t} Martin-in-the-Fields, in the county of Middlesex, coach maker, in consequence of a com^{n} made to him by a certain foreigner residing abroad he is become possessed of a certain invention of "A machine for the purpose of diminishing the labour and fatigue of persons in walking, and enabling them at the same time to use greater speed, which said machine he intends calling 'the pedestrian curricle'"; to hold, &c; six months.

RUTHVEN. 23rd Dec. 1818.

4322. A grant unto JOHN RUTHVEN, of the city of Edinburgh, printer, for his invt[d] "Improved drag for coaches, carriages, or other vehicles, which operates by raising a wheel or wheels off the ground from the inside or outside of the coach, carriage, &[c], without stopping the horses"; to hold, &[c]; four months. By writ, &[c].

ADIE. 23rd Dec. 1818.

4323. A grant unto ALEXANDER ADIE, of the city of Edinburgh, optician, for his invt[d] "Improvement on the air barometer, which improved instrument is to be called a sympiesometer"; to hold, &[c]; two mo[s]. By writ, &[c].

FAVERYEAR. 24th Dec. 1818.

4324. A grant unto HENRY FAVERYEAR, of Castle Street, Leicester Square, in the parish of S[t] Martin-in-the-Fields, in the county of Middlesex, gent., for his invt[d] "Machine for cutting veneers in wood and other substances"; to hold, &[c]; six months. By writ, &[c].

JOHNSON. 24th Dec. 1818.

4325. A grant unto WILLIAM JOHNSON, of Salford, in the parish of Manchester, in the county palatine of Lancaster, brewer, for his invented "Certain improvements in the construction of furnaces or fire places for the purpose of heating, boiling, or evaporating of water and other liquids, which improvements are applicable to steam engines & other purposes, whereby a greater saving in the consumption of fuel is effected, with a more compleat destruction or consumption of the smoke by combustion than hath hitherto been produced"; to hold, &[c]; two months. By writ, &[c].

TURNER. 4th Jan. 1819.

4326. A grant unto CHARLES TURNER, of Plymouth, in the cŏy of Devon, tanner, for his invented "Certain impr[ts] in preserving or curing of raw hides and skins, by the application of certain materials hitherto unused for that purpose"; to hold, &[c]; 2 months. By writ, &[c].

CARTER. 6th Jan. 1819.

4327. A grant unto WILLIAM CARTER, of Shoreditch, in the cŏy of Middlesex, printer, for his invt[d] "Improved methods of preparing cork bark, usually employed in the manufacture of corks"; to hold, &[c]; six months. By writ, &[c].

PONTIFEX. 7th Jan. 1819.

4328. A grant unto JOHN PONTIFEX, of Shoe Lane, in the city of London, coppersmith, for his invt[d] "Improvements in the means of raising water, for giving motion to machinery, and other purposes"; to hold, &c; six months. By writ, &[c].

SIMPSON. 15th Jan. 1819.

4329. A grant unto JOHN SIMPSON, of Birmingham, in the cŏy of Warwick, plater, for his invented "Method of constructing and making harness, on an improved principle, for horses and other animals used for the purpose of drawing and conveying carriages, to be called 'release harness'"; to hold, &[c]; 6 mo[s]. By writ, &[c].

SMITH. 15th Jan. 1819.

4330. A grant unto CHARLES SMITH, of Piccadilly, in the cŏy of Middlesex, superfine color manufacturer, for his invt[d] "Improvement in the method or form of making up superfine oil and water colours for drawing, painting, and other purposes"; six months. By writ, &[c].

SALMON. WARRELL. 15th Jan. 1819.

4331. A grant unto ROBERT SALMON, of Woborn, in the county of Bedford, esquire, and WILLIAM WARRELL, of Chenies, in the county of Buckingham, engineer, for their invt[d] "Certain improvements and sundry apparatus for cooling, condensing, and ventulating worts, liquors, and all other fluids or solid matters"; to hold, &[c]; six months. By writ, &[c].

GREGORY. 15th Jan. 1819.

4332. A grant unto JOHN GREGORY, of Penny Fields, parish of All Saints, Poplar, in the county of Middlesex, shipwright, for his invt[d] "A combination of machinery, consisting of a fire escape, ladder, and various apparatus necessary for the safety of persons and property in such cases, part of which machinery is applicable to other useful purposes"; to hold, &[c]; six months. By writ, &[c].

HAZELDINE. 15th Jan. 1819.

4333. A grant unto WILLIAM HAZELDINE, of Shrewsbury, in the cŏy of Salop, iron founder, for his invt[d] "Improved method of casting certain kinds of cast iron vessels"; to hold, &[c]; two months to inroll. By writ, &[c].

ROBERTS. 15th Jan. 1819.

4334. A grant unto JOHN ROBERTS junior, of Llanelly, in the county of Carmarthen, merchant, for his invented "Certain apparatus for preventing stage coaches and other wheeled carriages from overturning;" to hold, &c; six months. By writ, &[c].

CHERRY. 20th Jan. 1819.

4335. A grant unto FREDERICK CLIFFORD CHERRY, of Croydon, in the county of Surry, veterinary surgeon in the army, for his invented "Box case or frame forge, which may be very readily transported from place to place, applicable for shipping, agriculture, and a variety of other purposes, when portability and economy are desirable"; to hold, &[c]; two months. By writ, &[c].

SARTORIS. 23rd Jan. 1819.

4336. A grant unto URBANUS SARTORIS, of Winchester S[t], in the city of London, merchant, for his invt[d] or found out "Improvements in the construction and use of fire arms"; to hold, &[c]; six mo[s]. By writ, &[c].

HILL. 23rd Jan. 1819.

4337. A grant unto JOSEPH HILL, of the parish of Paulton, in the county of Somerset, gentleman, for his invented "Machine, or top, for the cure of smoakey chimnies"; to hold, &[c]; 2 months. By writ, &[c].

THOMAS. 26th Jan. 1819.

4338. A grant unto MATTHEW THOMAS, of Greenhills Rents, in the county of Middlesex, engineer, in consequence of a communication made to him by a foreigner residing abroad he is in possession of "A certain plough, upon which he hath invented an improvement; and also a propelling power, applicable to ploughs in general, and also to various other implements and machines," which will be of great public utility; to hold, &[c]; 2 months. By writ, &[c].

FOX. 28th Jan. 1819.

4339. A grant unto JAMES FOX the younger, of Plymouth, in the county of Devon, rectifier, for his invented "Improved method or methods of diminishing the loss in quantity or quality of ardent spirits and other fluids during the processes of distillation or rectification"; to hold, &[c]; six months. By writ, &[c].

EWBANK. 9th Feb. 1819.

4340. A grant unto HENRY EWBANK, of London, merchant, for an invention of "Machinery for cleaning or dressing paddy, or rough rice, so as to fit it for culinary purposes"; to hold, &[c]; two months. By writ, &[c].

SIMPSON. 9th Feb. 1819.

4341. A grant unto JAMES SIMPSON, esquire, of the city of Edinburgh, for his invt[d] and brought to perfection "A method or methods calculated to convey gas, used for illumination, to the burners, and at the same time suspend the burners, or the lamps, lustres, or other frames or holders in which the burners are placed"; to hold, &[c]; 2 months. By writ, &[c].

HEARD.
9th Feb. 1819.

4342. A grant unto EDWARD HEARD, of Brighton, in the cõy of Sussex, chemist, for his invt^d "Certain processes, means, or methods of hardening and improving tallow and other animal fats and oils, so as to manufacture therewith candles of a superior quality to those at present made from tallow"; to hold, &c; 2 months. By writ, &c.

WILLIS.
13th Feb. 1819.

4343. A grant unto ROBERT WILLIS, of Upper Norton S^t, in the parish of Saint Mary-le-bone, in the county of Middlesex, gentleman, for his discovered "Improvement or improvements upon the pedal harp," which he conceives will be of public utility; to hold, &c; six months. By writ, &c.

BROCKSOPP.
22rd Feb. 1819.

4344. A grant unto THOMAS BROCKSOPP, of Fore Street, Cripplegate without the city of London, grocer and tea dealer, for his invented "Application of certain machinery for the purpose of breaking or crushing of sugar"; to hold, &c; six mo^s. By writ, &c.

JEFFRAY.
4th March 1819.

4345. A grant unto JAMES JEFFRAY, of Glasgow, in that part of the united kingdom called Scotland, professor of anatomy in the University of Glasgow, for his invented "Certain combinations of and improvements in machinery to be moved by wind, steam, animal strength, water, or other power, by means of which boats, barges, ships, or other floating vessels may be propelled or moved in water, and which invention is further applicable to other useful purposes"; to hold, &c; six months. By writ, &c.

MILLWARD.
4th March 1819.

4346. A grant unto WILLIAM MILLWARD, of Eaton, in the county of Bucks, shoemaker, for his invented "Improvements on skaites, and in fixing the same on the feet"; to hold, &c; 2 mo^s. By writ, &c.

HAYCRAFT.
4th March 1819.

4347. A grant unto SAMUEL HAYCRAFT, of Birmingham, in the county of Warwick, spoon manufacturer, for his invt^d "Certain improvements in manufacturing spoons, forks, and other articles of iron, silver, or other suitable metal, by the application of certain machinery hitherto unused for that purpose, and improvements in such machinery"; to hold, &c; 2 months.

TYRON.
13th March 1819.

4348. A grant unto WILLIAM TYRON, of Liverpool, in the cõy Lancaster, coach maker, for his invt^d "Certain improvements in the construction of pumps, and in the machinery for working the same"; to hold, &c; 2 months. By writ, &c.

NEALE.
13th March 1819.

4349. A grant unto WILLIAM NEALE, of Birmingham, in the county of Warwick, whitesmith, for his invt^d "Combination of machinery calculated to increase power, to be worked by manual labour, or other suitable means"; to hold, &c; two months. By writ, &c.

MORRISON.
23rd March 1819.

4350. A grant unto ÆNEAS MORRISON, of the city of Glasgow, writer, for his invented, discovered, and found out "A combination of certain processes and manufactures, whereby animal & vegetable food may be produced for a great length of time," which will be of great benefit and advantage to our subjects, both at home and abroad; six months. By writ, &c.

OUTHETT.
23rd March 1819.

4351. A grant unto JOHN OUTHETT, of Vauxhall Walk, in the cõy of Surry, civil engineer, for his invt^d "Certain improvements in the construction, arrangement, and combination of the series of apparatus used for production of gas pit coal and other substances; and for purifying, storing, and delivering the same for the purposes of illumination; and for the application of certain parts of the said improved apparatus to other useful purposes"; to hold, &c; two months. By writ, &c.

MORTON. 23rd March 1819.

4352. A grant unto THOMAS MORTON, of Leith, in the county of Edinburgh, in Scotland, ship builder, for his invented "Method of dragging ships out of water on dry land"; to hold, &c; 2 months. By writ, &c.

ROBINSON. 23rd March 1819.

4353. A grant unto WILLIAM ROBINSON, of Saffron Walden, in the cõy of Essex, surveyor and builder, for his invt^d "Certain new or improved apparatus, to be attached to all sorts of doors and door jambs and hanging stiles, for the purpose of preventing, when shut, the admission of external air into rooms, apartments, or other places"; to hold, &c; 2 months. By writ, &c.

BUNDY. 1st April 1819.

4354. A grant unto WILLIAM BUNDY, of Camden Town, in the county of Middlesex, mathematical instrument maker, for his invented "Certain machinery for breaking hemp and flax"; to hold, &c; six mo^s. By writ, &c.

KNIGHT. 3rd April 1819.

4355. A grant unto PAUL SLADE KNIGHT, of Lancaster Moor, in the county palatine of Lancaster, gentleman, for his invented "New and improved kind of fire engines, pumps, or other engines, in which are used pistons working in barrels or cylinders"; to hold, &c; 2 mo^s. By writ, &c.

SEAWARD. 3rd April 1819.

4356. A grant unto JOHN SEAWARD, of Kent Road, in the parish of S^t Georges, Southwark, esquire, for his invented "New or improved method or methods of raising or producing steam for the purpose of working steam engines and other apparatus"; to hold, &c; six months. By writ, &c.

FULLER. 3rd April 1819.

4357. A grant unto HENRY PETER FULLER, of Piccadilly, in the parish of Saint George, Hanover Square, in the county of Middlesex, surgeon and apothecary, for his discovered "Improvement in the method of procuring or preparing sulphate of soda, soda, subcarbonate of soda, and muriatic acid"; to hold, &c; six months. By writ, &c.

SIEBE. 5th April 1819.

4358. A grant unto AUGUSTUS SIEBE, N^o 6, Crown Street, Soho, in the county of Middlesex, for his invented and found out "An improved weighing machine," which invention he believes will be of great benefit and advantage; to hold, &c; two months. By writ, &c.

PINDIN. 20th April 1819.

4359. A grant unto PHILIP PINDIN, of Farmingham, in the county of Kent, shoe maker, for his invented "Improvement on single and double trusses"; to hold, &c; six months.

SMITH. 20th April 1819.

4360. A grant unto JOHN SMITH, of Bermondsey, in the cõy of Surrey, timber merchant, for his invented "Improvements in making arms or axle trees for coaches, carts, waggons, and all other descriptions of carriages"; to hold, &c; six months.

PHIPSON. 27th April 1819.

4361. A grant unto JOSEPH WEATHERLY PHIPSON, of Birmingham, in the county of Warwick, metal merchant, for his invented "Improvement in manufacturing pipes, tubes, or conductors for gas and other purposes"; to hold, &c; six months to inroll. By writ, &c.

WILLCOX. 28th April 1819.

4362. A grant unto THOMAS WILLCOX, of the city of Bristol, mason, for his invented "Pneumatic stove, for heating atmospheric air and diffusing the same through houses, hothouses, greenhouses, and other buildings, upon the principle of introducing a column of atmospheric air into a chamber containing a stove of a new and peculiar construction, thereby creating a reservoir of hot air, capable of being diffused, by means of flues, throughout buildings of any dimensions"; to hold, &c; two months to inroll.

PINCHBACK. 1st May 1819.

4363. A grant unto JOHN PINCHBACK, of Atherton, in the parish of Mancetter, in the county of Warwick, millwright, for his discovered and invented "New method or methods of making a machine or machines for catching flies and wasps"; to hold, &c ; 2 months. By writ, &c.

COPLAND. 1st May 1819.

4364. A grant unto ROBERT COPLAND, of Liverpool, in the county of Lancaster, merchant, for his invtd "New or improved method or methods of gaining power by new or improved combinations of apparatus, applicable to various purposes"; to hold, &c ; six months. By writ, &c.

HADDOCK. 4th May 1819.

4365. A grant unto URIAH HADDOCK, of Mile End, in the cõy Middlesex, chemist, for his invented "Improved method of producing inflammable gas from pit coal, superior in purity to any other inflammable gas produced from the said substance by the method or methods hitherto in practice"; to hold, &c ; six months.

SAWBRIDGE. 6th May 1819.

4366. A grant unto WILLIAM SAWBRIDGE, of White Friars Lane, in the parish of St Michael, in the city of Coventry, loom maker and ribbon weaver, for his invented "Certain improvements in engine looms for weaving figured ribbons"; to hold, &c ; six months. By writ, &c.

BOOTH. 6th May 1819.

4367. A grant unto HENRY BOOTH, of Liverpool, in the county Lancaster, merchant, for his invtd "Improved method or means of propelling boats and other vessels"; to hold, &c ; six months. By writ, &c.

MASON. 8th May 1819.

4368. A grant unto JAMES MASON, of Birmingham, in the county of Warwick, merchant, in consequence of a communication made to him by a certain foreigner residing abroad he is in possession of "A method of working the oar or paddles of boats, barges, ships, and other kinds of navigating vessels"; to hold, &c ; six months. By writ, &c.

LOWDER. 11th May 1819.

4369. A grant unto JOHN LOWDER, of the parish of Walcot, in the county of Somerset, architect, for his invtd or found out "Certain implements or machines for the preparation of hemp or flax, and other fibrous vegetable substances"; to hold, &c ; 2 months. By writ, &c.

THOMSON. 15th May 1819.

4370. A grant unto SARAH THOMSON, of Rotherithe, in the county of Surrey, cork manufacturer, in conseqce of a communication made to her by her late husband, Archibald Thomson, deceased, and also by her late son, Alexander Thomson, deceased, she is become possessed of an invention of "A machine for cutting corks"; to hold, &c ; six months.

HOLLINGRAKE. 15th May 1819.

4371. A grant unto JAMES HOLLINGRAKE, of Manchester, in the county palatine of Lancaster, for his invented the "Making and working a manufacture for applying a method of casting and forming metallic substances into various forms and shapes with improved closeness and soundness in texture"; to hold, &c ; six months. By writ, &c.

COWPER. 18th May 1819.

4372. A grant unto TEW COWPER, of Weston-by-Weedon, in the county of Northampton, carpenter and joiner, for his invented "Certain improvements on and additions to machines or ploughs for the purpose of underdraining land"; to hold, &c ; two months. By writ, &c.

WALL. 18th May 1819.

4373. A grant unto EDWARD WALL, of Minchinhampton, in the county of Gloucester, for his invented "Certain improvements on stage coaches and other description of carriages"; to hold, &c ; two months. By writ, &c.

ATKINS.
18th May 1819.

4374. A grant unto GEORGE ATKINS, of Hornsey Road, in the parish of Islington, in the county of Middlesex, gentleman, for his invented "An instrument for ascertaining the variation of the compass, which he intends to denominate 'the meridian declination dial'"; to hold, &c; six months. By writ, &c.

RUTT.
24th May 1819.

4375. A grant unto WILLIAM RUTT, of Shacklewell, in the county of Middlesex, printer and stereotype founder, for his invented "Certain improvements in printing machines, which improvements do not extend to the inking apparatus"; to hold, &c; four months. By writ, &c.

BARRY.
24th May 1819.

4376. A grant unto JOHN THOMAS BARRY, of Plough Court, Lombard Street, in the city of London, chemist and druggist, for his invented "Improved apparatus for distillation, evaporation, and exsication, and for the preparation of colors"; to hold, &c; six months.

GELDART.
SERVANT.
HOWGATE.
1st June 1819.

4377. A grant unto WILLIAM GELDART and JOHN SERVANT, both of Leeds, in the county of York, carpenters, and JONATHAN HOWGATE, of Leeds aforesaid, flax dresser, for their invented "Certain improv^ts in the manner of heating dryhouses, maltkilns, and other buildings requiring heat"; to hold, &c; six months. By writ, &c.

LEWIS.
LEWIS.
DAVIS.
19th June 1819.

4378. A grant unto JOHN LEWIS, clothier, WILLIAM LEWIS, dyer, and WILLIAM DAVIS, engineer, all of Brimscomb, in the county of Gloucester, for their invented "Certain improvements in the application of mechanical powers, for the purpose of laying, smoothing, and polishing the pile or face of woollen or other cloth or fabric; and also for the purpose of cleansing at the same time the said cloth or fabric requiring such operations"; to hold, &c; two months to inroll. By writ of Privy Seal.
SCOTT.

LEWIS.
LEWIS.
DAVIS.
19th June 1819.

4379. A grant unto JOHN LEWIS, clothier, WILLIAM LEWIS, dyer, and WILLIAM DAVIS, engineer, all of Brimscomb, in the county of Gloucester, for their invented "Certain improvements in the application of pointed wires, or other pointed substances of a suitable nature, for the purpose of raising the pile or face of woollen or other cloths of fabric requiring such process"; to hold, &c; 2 months. By writ, &c.

NEILSON.
19th June 1819.

4380. A grant unto JOHN NEILSON, of the town of Linlithgow, in the county, glue maker, for his invented "Improvement in the tanning and tawing of hides and skins, and in the dyeing and colouring of leather and other articles"; to hold, &c; 2 months to inroll. By writ, &c.

GORDON.
HEARD.
19th June 1819.

4381. A grant unto DAVID GORDON, of the city of Edinburgh, in the county of Edinburgh, esq., and EDWARD HEARD, of Brighton, in the county of Sussex, chemist, for their invented "Portable gas lamp"; to hold, &c; 2 months. By writ, &c.

BEDFORD.
22nd June 1819.

4382. A grant unto STEPHEN BEDFORD, of Birchall Street, in Birmingham, in the county of Warwick, iron founder, for his invt^d "Improvement in the preparation of iron and other metals for various purposes, and also an improvement in the converting British iron into steel"; to hold, &c; six months. By writ, &.

ATTWOOD.
22nd June 1819.

4383. A grant unto CHARLES ATTWOOD, of Bridge S^t, Blackfriars, in the city of London, window glass manufacturer, for his invt^d or found out "A mode or modes of manufacturing mineral alkali and vegetable alkali, and the application thereof, so far as relates to mineral alkali, by way of improvement on or addition to other modes heretofore known or in use, but more particularly in the manufacture of kelp"; to hold, &c; six months. By writ, &c.

HADDEN. 22nd June 1819.

4384. A grant unto ALEXANDER HADDEN, of Aberdeen, in that part of the united kingdom called Scotland, manufacturer, for his invt^d^ "An improved manufacture for carpeting"; to hold, &c; four calendar months to inroll. By writ, &c.

JORDAN. 22nd June 1819.

4385. A grant unto EDWARD JORDAN, of the city of Norwich, engine maker, for his invented "Improved water wheel for draining marsh lands, whereby water may be raised from a greater depth by a wheel of less diameter, and a large quantity of marsh land drained in a shorter time than by any water wheel now in use, and thereby great labour and expense saved"; to hold, &c; two months. By writ, &c.

WILLIAMS. 26th June 1819.

4386. A grant unto EDMUND WILLIAM WILLIAMS, of S^t^ Mildreds Court, Poultry, in the city of London, merchant, in consequence of a communication made to him by a certain person residing abroad he is in possession of "Certain improvements in the mode or art of distilling"; to hold, &c; 2 months. By writ, &c.

BRUNTON. 29th June 1819.

4387. A grant unto WILLIAM BRUNTON, of Birmingham, in the county of Warwick, engineer, for his invt^d^ "Certain improvements in steam engines and furnaces of steam engines, by which a saving in the consumption of fuel is effected, and the combustion of the smoke is more compleatly attained"; to hold, &c; six months. By writ, & .

CONNE. 30th June 1819.

4388. A grant unto NICHOLAS CONNE, of the parish of S^t^ Mary-le-Strand, in the county of Middlesex, glass engraver, in consequence of a communication made to him by a certain foreigner residing abroad out of our dominions, for an invention of an "Improvement or improvements applicable to lamps for domestic purposes"; to hold, &c; 6 months. By writ, &c.

SCHEFFER. 8th July 1819.

4389. A grant unto JOHN SCHEFFER, of Church Street, Blackfriars Road, in the county of Surrey, water proof linen and leather manufacturer, for his invented "Machine or instrument for writing, which he denominates 'the pennographic or writing instrument'"; to hold, &c; six months to inroll. By writ, &c.

GOOD. 10th July 1819.

4390. A grant unto WILLIAM GOOD, of Bridport Harbour, within the parish of Symondsbury, in the county of Dorset, ship builder, for his discovered "Improvement in the art of tanning hides and skins, and barking or colouring netts, sails, and other articles, by the application of certain materials hitherto unused for that purpose"; to hold, &c; two months. By writ, &c.

DANIELL. 17th July 1819.

4391. A grant unto JOSEPH CLISILD DANIELL, of Frome, in the county of Somerset, clothier, for his invt^d^ "Certain improvements in dressing woollen cloths; also in prepar^g^ and using wire cards, as applicable to that purpose"; to hold, &c; two months. By writ, &c.

HEAD. 27th July 1819.

4392. A grant unto JAMES HEAD, of Lower Brook S^t^, Grosvenor Square, in the county of Middlesex, esq., for his invt^d^ "Machine or instrument for ascertaining the difference of ships draught of water forward and aft, at sea or in harbour"; to hold, &c; two months to inroll. By writ, &c.

TRITTON. 11th August 1819.

4393. A grant unto HENRY TRITTON, of Clapham, in the county of Surrey, esq^r^, for his invented or found out "An improved apparatus for filtration"; to hold, &c; six months. By writ, &c.

PHILLIPS. 20th Sept. 1819.

4394. A grant unto CHARLES PHILLIPS, of the town and county of Haverford West, commander in the royal navy, for his invented "Certain improvements on capstans"; to hold, &c; six months. By writ, &c.

BROCKEDON. 20th Sept. 1819.

4395. A grant unto WILLIAM BROCKEDON, of Poland St, in the county of Middlesex, gentleman, for his invented "Certain improvements in wire drawing"; to hold, &c; six months. By writ, &c.

DE THIERRY. 20th Sept. 1819.

4396. A grant unto Baron CHARLES PHILIP DE THIERRY, late of the parish of Saint George, Hanover Square, in the county of Middlesex, and now of Bathhampton, in the county of Somerset, but at present in the city of Bristol, esquire, for his invented "Bitt for coach and bridle uses, which said bitt he calls 'the humane safety bitt'"; to hold, &c; six months. By writ, &c.

THOMPSON. 20th Sept. 1819.

4397. A grant unto JOHN THOMPSON, formerly of Ley Hall, in the county of Salop, and afterwards of Hanley Castle, in the county of Worcester, manufacturer of iron and coal miner, now a prisoner charged with debt in our prison of the Bench, in the borough of Southwark, in the county of Surry, for his invented, discovered, or found out "A new method of extracting iron from ore," which he believes will be of general benefit and advantage; to hold, &c; six months. By writ, &c.

BAYNES. 27th Sept. 1819.

4398. A grant unto JOHN BAYNES, of Leeds, in the county of York, working cutler, one of the people called Quakers, for his invented "Certain machinery to be attached to carriages for giving them motion by manual labour or other suitable power"; to hold, &c; six months. By writ, &c.

BAINBRIDGE. 4th October 1819.

4399. A grant unto WILLIAM BAINBRIDGE, of Holborn, in the city of London, musician and turner, for his "Invented certain improvements in the double and single flageolet or English flute"; to hold, &c; 2 months. By writ, &c.

PERKINS. 11th October 1819.

4400. A grant unto JACOB PERKINS, late of Philadelphia, in the United States of America, but now residing at Austin Friars, in the city of London, engineer, that by means of his own study and application thereto, and also thro' the communications of a certain foreigner when residing in America, he is in possŏn of an invention of "Certain machinery and implements applicable to ornamental turning and engraving, and to the transferring of engraved or other work from the surface of one piece of metal to another piece of metal, and to the forming of metallic dies and matrices; and also improvements in the construction and method of using plates and presses for printing bank notes and other papers, whereby the producing and combining various species of work is effected upon same plates and surfaces, the difficulty of imitation increased, and the process of printing facilitated; and also an improved method of making and using dies and presses for coining money, stamping medals, and other useful purposes"; to hold, &c; six months. By writ, &c.

HILTON. 18th October 1819.

4401. A grant unto CHRISTOPHER HILTON, of Darwen, near Blackburn, in the county of Lancaster, bleacher, for his invented "Process for the purpose of improving and finishing manufactured piece goods," which invention he conceives will be of general benefit and advantage; to hold, &c; two calendar months. By writ, &c.

STRUTT. 18th October 1819.

4402. A grant unto ANTHONY RADFORD STRUTT, of Makeney, in the county of Derby, cotton spinner, for his invented and found out "Certain improvements in the construction of locks and latches"; 2 months. By writ, &c.

DEACON. 1st Nov. 1819.

4403. A grant unto WILLIAM ARCHER DEACON, of Pilgrims Hatch, in the parish of South Weald, in the county of Essex, gentleman, for his invented "Certain improvements in the manufacture of boots, shoes, and clogs, by the application of certain materials hitherto unused for that purpose"; six months. By writ, &c.

CONGREVE. 1st Nov. 1819.

4404. A grant unto Sir WILLIAM CONGREVE, of Cecil St[t], Strand, in the county of Middlesex, baronet, for his invented "Improved mode of enlaying or combining different metals or other hard substances applicable to various useful purposes"; to hold, &[c]; six months. By writ, &[c].

GUNDRY. NEAVE. NEAVE. 1st Nov. 1819.

4405. A grant unto ISRAEL GUNDRY, gentleman, EDWARD NEAVE, and JOSIAH NEAVE, shopkeepers, all of Gillingham, in the county of Dorset, for their invt[d] "Application of various gasses or vapours to certain useful purposes"; to hold, &[c]; six months. By writ, &[c].

HUDSON. 1st Nov. 1819.

4406. A grant unto WILLIAM HUDSON, of Cranbroke, in the cŏy of Kent, boot and shoe maker, for his invented "Improvements in the manufacture of boots and shoes"; to hold, &[c]; 2 months. By writ, &[c].

SHORTHOUSE. 1st Nov. 1819.

4407. A grant unto SAMUEL SHORTHOUSE, of Dudley, in the cŏy of Gloucester, for his invented "Machine to cut straw of any length required, thereby rendering straw a better and more convenient winter food for cattle, and the manure produced in farm yards, &[c], fit for immediate use; also for rendering dry straw a manageable manure; also for cutting straw to mix with horses corn; also for cutting straw to any given length for any other purpose"; to hold, &[c]; six months. By writ, &[c].

HEARD. 4th Nov. 1819.

4408. A grant unto JOHN HEARD, of Birmingham, in the cŏy of Warwick, joiner, for his invt[d] "Improvements in cooking apparatus"; to hold, &[c]; six months. By writ, &[c].

GRAFTON. 18th Nov. 1819.

4409. A grant unto JOHN GRAFTON, engineer to the Edinburgh Gas Light Company, for his invt[d] and brought to perfection "A new and improved apparatus for purifying gas used for illumination"; to hold, &[c]; two months.

BOREL. 18th Nov. 1819.

4410. A grant unto LOUIS FAUCHE BOREL, of the Hay Market, in the parish of St Martin-in-the-Fields, gentleman, that by a communication from certain foreigners residing abroad he is become possessed of an invention called the "Moveable and inodorous conveniences"; to hold, &[c]; 4 months. By writ, &[c].

SINCLAIR. 18th Nov. 1819.

4411. A grant unto JOHN SINCLAIR, manufacturer, in Edinburgh, for his invt[d] & found out "Improvement in the manufacture of shawls, plaids, scarfs, handkerchiefs, gown pieces, and other articles into which coloured threads are wrought into flowers and other fancy figures in the process of weaving, whether the said articles are made of silk, cotton, worsted, lint, hemp, or other materials or mixtures thereof"; to hold, &[c]; 2 months. By writ, &[c].

GLENNY. DARBY. 23rd Nov. 1819.

4412. A grant unto JOSEPH GLENNY, of Saint John Square, Clerkenwell, in the county of Middlesex, watch case maker, and JOHN DARBY, of Gee Street, Goswell Street, in the said county, watchmaker, for their invented "Machine and apparatus calculated to answer the purposes of a fire burglary alarum"; six months. By writ, &[c].

LILLEY. 23rd Nov. 1819.

4413. A grant unto GEORGE LILLEY, of Briggin, in the county of Lincoln, gentleman, for his invented "Certain improvements in the construction of engines or machinery to be wrought by steam or other elastic fluids, applicable to the driving of mills and other useful purposes"; to hold, &[c]; six months. By writ, &[c].

TRITTON. 4th Dec. 1819.

4414. A grant unto HENRY TRITTON, of Battersea, in the cŏy of Surrey, esquire, for his invented or found out "A new method of producing rotatory"; to hold, &[c]; six months. By writ, &[c].

DICKSON. 4th Dec. 1819.

4415. A grant unto JAMES DICKSON, lapidary, Gilmore Place, in the county of Edinburgh, for his invented or found out "Improvement or improvements in communicating power to machinery by water, spirits of wine, quicksilver, oil, or fluids, which improvement or improvements are applicable to other purposes"; to hold &c; six months. By writ, &c.

LAMBERT. 4th Dec. 1819.

4416. A grant unto SAMUEL LAMBERT, of Princes Street, Leicester Square, in the county of Middlesex, laceman, that in consequence of a communication made to him by Charles Augustin Busby, now residing at New York, in the United States of America, he is in possession of an invention for "An improved water wheel, applicable to mills and navigable bodies; and for other improvements also applicable to mills and navigable bodies"; to hold, &c; six months. By writ, &c.

JENNINGS. 4th Dec. 1819.

4417. A grant unto HENRY CONSTANTINE JENNINGS, of Carburton Street, in the parish of Saint Mary-le-bone, in the cõy of Middx, gent., for his invented "Substitute for pitch"; to hold, &c; six months. By writ, &c.

FENILLADE. 4th Dec. 1819.

4418. A grant unto CHARLES WILLIAM FENILLADE, of Mortimer Street, Cavendish Square, in the parish of Saint Mary-le-bone, in the county of Middlesex, gent., for his invented "Improved mechanical apparatus, instrument, or machine (intended by him to be called 'an aid form') for the prevention and remedy of deformity and ill shape in the trunk or body parts of human beings"; to hold to him, &c; six months. By writ, &c.

CONGREVE. 4th Dec. 1819.

4419. A grant unto Sir WILLIAM CONGREVE, of Cecil Street, Strand, in the county of Middlesex, baronet, for his invtd "Certain improvements in the manufacture of bank note paper, for the prevention of forgery"; to hold, &c; six months. By writ, &c.

RODGER. 4th Dec. 1819.

4420. A grant unto WILLIAM RODGER, of Suffolk Street, Charing Cross, in the county of Middlesex, lieutenant in the royal navy, for his invented "Substitutes for anchors, which he intends to denominate 'a block anchor'"; to hold, &c; six months. By writ, &c.

CARTER. 9th Dec. 1819.

4421. A grant unto WILLIAM CARTER, of Grove Place, Paddington, in the county of Middlesex, gentleman, for his invtd "Certain improvements in the manufacture of measures of capacity"; to hold, &c; six months. By writ, &c.

LEE. 13th Dec. 1819.

4422. A grant unto JAMES LEE, late of Old Ford, in the county of Middlesex, but now of Merton, in the cõy of Surrey, gentleman, for his invtd "Certain machinery and process for breaking, cleaning, and preparing flax & hemp for use, and which is also applicable to other vegetable fibrous substances"; to hold, &c; six months. By writ, &c.

WOOD. 18th Dec. 1819.

4423. A grant unto JAMES WOOD, of New Compton Street, in the parish of St Giles-in-the-Fields, in the county of Middx, musical wind instrument maker, for his invented, discovered, and found out "An improvement in the formation and position of the long keys, B natural and C sharp, used upon the musical instrument commonly called the clarionet, for the more easily fingering of the same"; to hold, &c; 2 months. By writ, &c.

PELLATT. 18th Dec. 1819.

4424. A grant unto APSLEY PELLATT junior, of Saint Paul's Church Yard, in the city of London, gent., that in consequence of a communication made to him by a certain foreigner residing abroad he is in possõn of "An invention for encrusting into glass vessels and utensils white or other coloured, painted, or

otherwise ornamented figures, arms, crests, cyphers, and any other ornaments made of composition, metal, or other suitable material"; to hold, &c; six months. By writ, &c.

HALL. 18th Dec. 1819.

4425. A grant unto THOMAS DEHANY HALL, of Park Place, Regents Park, in the parish of Saint Mary-le-bone, in the county of Middlesex, esquire, that in consequence of a communication made to him by a certain foreigner residing abroad he is possessed of "An improved method of dying cloths and other substances, and of preparing dyes for that purpose"; to hold, &c; six months. By writ, &c.

LEWIS. 20th Dec. 1819.

4426. A grant unto JAMES HENRY LEWIS, of N° 104, High Holborn, in the county of Middlesex, professor of stenography, for his invt^d "Improvement or substitute for or addition to pens, as usually employed in the art of writing, which he denominates 'caligraphic fountain pens'"; to hold, &c; six months. By writ, &c.

FOX. 15th Jan. 1820.

4427. A grant unto FRANCIS FOX the younger, of Derby, in the county of Derby, doctor in physic, for his invt^d "New or improved method of facilitating and ensuring the discharge of fire arms and artillery of every description," which he conceives will be of great public utility; six months. By writ, &c.

STEINHAUSER. 15th Jan. 1820.

4428. A grant unto JOHN LEBERECHT STEINHAUSER, of Moffatt Terrace, City Road, in the county of Middlesex, artist, for his invented "Improvement on portable lanthorns or lamps, applicable to various purposes"; 2 months. By writ, &c.

OLDHAM. 15th Jan. 1820.

4429. A grant unto JOHN OLDHAM, of South Cumberland S^t, in the city of Dublin, esq., for his invt^d "Certain further impr^ts on his former Patent, bearing date the 10^th day of Oct^r 1817, for 'An improvement or impr^ts in the mode of propelling ships and vessels on seas, rivers, and canals, by the agency of steam'"; six months. By writ, &c.

MAIN. 15th Jan. 1820.

4430. A grant unto JOSEPH MAIN, of Banion Court, Newgate S^t, in the city of London, gentleman, for his invt^d or found out "An improved method of preparing and spinning wool, cotton, silk, flax, fur, and all other fibrous substances"; to hold, &c; six months. By writ, &c.

THOM. ALLEN. 15th Jan. 1820.

4431. A grant unto JAMES THOM, of Wells S^t, in the parish of Saint Mary-le-bone, in the county of Middlesex, piano forte maker, and WILLIAM ALLEN, of Castle Street, in the same parish, piano forte maker, for their invt^d or found out "A certain improvement in piano fortes"; to hold, &c; two months. By writ, &c.

LONDON. 25th Jan. 1820.

4432. A grant unto PHILLIPS LONDON the younger, of Cannon Street, in the city of London, practical chemist, for his invented "Method of destroying or discomposing the offensive vapour arising from animal or vegetable matter when heated"; to hold, &c; two months. By writ, &c.

TREADWELL. 25th Jan. 1820.

4433. A grant unto DANIEL TREADWELL, citizen of the United States of America, but now of Newmans Court, Cornhill, in the city of London, engineer, for his invt^d "Certain impr^ts in the construction of printing presses"; to hold, &c; six months. By writ, &c.

BRUNEL. 25th Jan. 1820.

4434. A grant unto MARC ISAMBARD BRUNEL, of Chelsea, in the county of Middlesex, engineer, for his invt^d "Certain improvements in making stereotype plates"; to hold, &c; six months. By writ, &c.

MOODY.
25th Jan. 1820.

4435. A grant unto JOHN MOODY, of Margate, in the cõy of Kent, gent., for his invt[d] "Inkstand containing carbonaceous, an extractive matter in a dry state, which, with the addition of water only, will supply ink; to hold, &[c]; two months. By writ, &[c].

SHOOBRIDGE.
SHOOBRIDGE.
5th Feb. 1820.

4436. A grant unto GEORGE SHOOBRIDGE, of Houndsditch, in the city of London, woollen draper, and WILLIAM SHOOBRIDGE, of Marden, in the county of Kent, farmer, for their invented and found out "A substitute for flax or hemp, and for manufacturing the same for all purposes for which flax or hemp are used"; to hold, &[c]; six months. By writ, &[c].

HUGGETT.
10th Feb. 1820.

4437. A grant unto JAMES HUGGETT, of Hailsham, in the cõy of Sussex, shoeing smith, for his invt[d] "Machine, to be attached to carriages as a substitute for a drag, to regulate the speed and to prevent accidents in going down hill, or in other perilous situations"; to hold, &[c]; six months.

COLLINS.
10th March 1820.

4438. A grant unto WILLIAM COLLINS, of George Street, Grosvenor Square, in the county of Middlesex, lamp maker, for his invented "Some useful additions to and improvements on carriage and other lamps"; to hold, &[c]; two months. By writ, &[c].

PRITCHARD.
FRANKS.
18th March 1820.

4439. A grant unto WILLIAM PRITCHARD, of Castle Street, in the boro' of Southwark and county of Surrey, hat manufacturer, and ROBERT FRANKS, of Red Cross Street, in the city of London, hat manufacturer, for their invented "Improved method of manufacturing water proof hats, to be made of silk, wool, or beaver or other fur, the brims of which are perfectly waterproof, and will in all weathers, and in every climate, preserve their original shapes, being stiffened without the use of glue or any other material which would prevent the effect of water proof mixture"; to hold, &[c]; six months. By writ, &[c].

VAN HEYTHUYSEN.
18th March 1820.

4440. A grant unto FREDERIC MIGHELLS VAN HEYTHUYSEN, of Sidmouth Street, in the parish of S[t] Pancras and county of Midx, esq., for his having invt[d] or found out "A method of making portable machines or instruments, to be placed upon a desk or table, and so contrived as to fold or not into a small compass, made of wood, brass, or other metal, to support a silken shade for the purpose of protecting the eyes from a strong light; added to which is a green, blue, or other coloured glass in a frame, and in such a position that, when placed opposite a window, lamp, or candle, it will take off the glare of white paper by shedding a green or blue, or any other tinge, dependant upon the colour of the glass reflector, upon the book or paper placed within the bounds of its shadow; so that print, however small, or writing, is rendered more plain or legible by reason of the glare being thus taken off the white paper by day, and particularly by candle light"; by this means the eyes of the reader or writer will be relieved from injuriously dwelling upon a white surface; to hold, &[c]; two months. By writ, &[c].

CHAMBERS.
18th March 1820.

4441. A grant unto ABRAHAM HENRY CHAMBERS, of Bond Street, in the county of Middlesex, esquire, for his invt[d] "Improvement in the preparing or manufacturing substances for the formation of highways and other roads, which substances, when so prepared, are applicable to other useful purposes"; to hold, &[c]; six months. By writ, &[c].

LAMBERT.
11th April 1820.

4442. A grant unto FRANCIS LAMBERT, of Coventry Street, in the parish of Saint James, Westminster, in the county of Midx, silversmith and jeweller, that he, by a communication from a certain foreigner residing abroad, he is possessed of an invention, being "A new method of mounting and pro-

ducing, and also of removing, preserving, and replacing the figure in weaving gold lace, silver lace, silk lace, worsted lace, cotton lace, thread lace, and other laces, whether made or composed of the aforesaid articles, any or either of them, or a mixture thereof"; to hold, &c; four months. By writ, &c.

JENNINGS. 11th April 1820.

4443. A grant unto HENRY CONSTANTINE JENNINGS, of Carburton Street, Fitzroy Square, in the parish of Saint Pancras, in the county of Middlesex, esquire, for his invented "Lock or fastening for general use"; to hold, &c; six months. By writ, &c.

HALL. ROSTILL. 11th April 1820.

4444. A grant unto WILLIAM HALL and WILLIAM ROSTILL, of Birmingham, in the county of Warwick, tortoise shell box makers and partners in trade, for their invented "Certain improvements in the manufacture of halfts, handles, or hilts for knives, forks, swords, or any other instruments to which halfts, handles, or hilts are necessary and can be applied, whether made of turtle or tortoise shell or other suitable material"; to hold, &c; six months.

BURR. 11th April 1820.

4445. A grant unto THOMAS BURR, of Shrewsbury, in the county of Salop, plumber, for his invented "Certain improvements in machinery for manufacturing lead and other metal into pipe and sheets"; to hold, &c; six months. By writ, &c.

COLEMAN. 15th April 1820.

4446. A grant unto EDWARD COLEMAN, professor at the Veterinary College, Saint Pancras, in the county of Middlesex, for his invented or found out "A new and improved form of construction of shoes for horses"; to hold &c; two months. By writ, &c.

ROHDE. 15th April 1820.

4447. A grant unto MAJOR ROHDE, of Leman Street, Goodmans Fields, in the county of Middlesex, sugar refiner, in consequence of a communication made to him by a certain foreigner residing abroad he is become possessed of a new invention of "A method of separating or extracting the molasses or syrup from muscovado or other sugar; and further, that the said invention is new in this kingdom"; to hold, &c; six months. By writ, &c.

SCOTT. 15th April 1820.

4448. A grant unto JAMES SCOTT, of Grafton Street, in the parish of Saint Anne and city of Dublin, watch maker, for his invented or found out "A new mode of combining, adjusting, and applying certain of the well known mechanic powers and modifications thereof with great advantage, which he denominates 'an accelerating lever motion,' and which discovery or invention he saith is applicable to many useful purposes, and which will be productive of great public advantage"; to hold, &c; six months. By writ, &c.

BRUNTON. 19th April 1820.

4449. A grant unto WILLIAM BRUNTON, of Birmingham, in the county of Warwick, engineer, for his invt[d] "Certain improvements on and additions to fire grates, which he intends to denominate 'economical fire grates'"; to hold, &c; six months. By writ, &c.

LILLEY. FRASER. 19th April 1820.

4450. A grant unto GEORGE LILLEY, of Brigg, in the county of Lincoln, gentleman, and JAMES BRISTOW FRASER, of Blackburn House, in the county of Linlithgow, in Scotland, gentleman, for their invt[d] or found out "Certain improvements in the application of machinery for propelling boats or other vessels floating in or upon water, and for attaining other useful purposes, by means of an hydro pneumatic apparatus, acted upon by a steam engine or other adequate power"; to hold, &c; six months.

HANCOCK. 29th April 1820.

4451. A grant unto THOMAS HANCOCK, of Little Pulteney Street, Golden Square, in the county of Middlesex, coach maker, for his discovered "By the application of a certain material to various articles of dress and other articles the same may be rendered more elastic"; to hold, &c; six months. By writ, &c.

Cook.
29th April 1820.

4452. A grant unto Thomas Cook, of Brighton, in the county of Sussex, engineer, for his invt[d] and "Improved apparatus for the purpose of cooking, which he designates 'a philosophical cookery'"; to hold, &c; six months. By writ, &c.

Hague.
9th May 1820.

4453. A grant unto John Hague, of Great Pearl Street, Spital Fields, in the county of Middlesex, engineer, for his invt[d] "Certain improvements in the method of heating hot-houses, manufactories, and other buildings, and of boiling liquids"; to hold, &c; two months. By writ, &c.

Tickell.
9th May 1820.

4454. A grant unto John Ambrose Tickell, of West Bromwich, in the county of Stafford, gentleman, for his invented "Cement, to be used in aquatic and other buildings and stucco work, which is produced by the use and application of a mineral substance never before employed in the manufacture thereof"; to hold, &c; two months. By writ, &c.

Parkes.
9th May 1820.

4455. A grant unto Josiah Parkes, of the borough of Warwick, worsted manufacturer, for his inv[d] or found out "A new and improved method of lessening the consumption of fuel in steam engines and furnaces in general, and for consuming smoke"; to hold, &c; six mo[s]. By writ, &c.

Jacks.
Aiken.
11th May 1820.

4456. A grant unto James Jacks, of Camberwell, in the cõy of Surrey, gentleman, and Arthur Aiken, of the Adelphi, West[r], gentleman, for their invented "New or improved method or methods of preventing mildew in sail cloth and other canvas, and in other manufactures made of vegetable fibre"; to hold, &c; six months. By writ, &c.

Scott.
11th May 1820.

4457. A grant unto James Scott, of Grafton Street, in the parish of Saint Anne, in the city of Dublin, watch maker, for his invented or found out "A new method of combining, adjusting, and applying by machinery certain of the well known mechanic powers, and modification thereof, where power and velocity are required"; to hold, &c; six months. By writ, &c.

Malam.
11th May 1820.

4458. A grant unto John Malam, of Romney Terrace, Horseferry Road, Westminster, in the county of Midx, engineer, for his invented "Certain improvements on gas meters"; to hold, &c; six months. By writ, &c.

Kenrick.
13th May 1820.

4459. A grant unto Samuel Kenrick, of West Bromwich, in the county of Stafford, manufacturer, for his invented or found out "An improved method of tinning cast iron vessels of capacity"; to hold, &c; six months. By writ, &c.

Wornum.
13th May 1820.

4460. A grant unto Robert Wornum, of Wigmore Street, Cavendish Square, in the county of Middlesex, piano forte maker, for his invented "Improvement on piano fortes and certain other stringed instruments"; to hold, &c; two months. By writ, &c.

Bill.
15th May 1820.

4461. A grant unto Robert Bill, of Newman Street, Oxford Street, in the county of Midx, esquire, for his invt[d] or discovered "An improved mode of constructing beams, masts, yards, bow sprits, and other parts of ships, vessels, and craft used for the purposes of navigation, and of other parts of the rigging of such ships, vessels, and craft"; to hold, &c; two months.

Barton.
15th May 1820.

4462. A grant unto John Barton, of Falcon Square, in the city of London, engineer, for his invt[d] "Certain improvements in propelling, and in the construction of engines and boilers applicable to propelling and other purposes"; six months. By writ, &c.

Watts.
15th May 1820.

4463. A grant unto Richard Watts, of Crown Court, Temple Bar, in the county of Middlesex, printer, for his invt[d] "Improvements in inking printing types with rollers, and in placing and conveying paper on types, and in inking with a cylinder"; four months, &c. By writ, &c.

WINCH. 18th May 1820.

4464. A grant unto ROBERT WINCH, of Shoe Lane, in the city of London, press maker, for his invt[d] "Certain improvements on machines or presses, chiefly applicable to printing"; to hold, &[c]; four calendar months. By writ, &[c].

MASSEY. 19th May 1820.

4465. A grant unto EDWARD MASSEY, of Eccleston, in the parish of Prescot, in the county of Lancaster, and also of the city of Coventry, watch manufacturer, for his invt[d] "Certain improvements in the construction of chronometers and packet watches"; to hold, &[c]; six months. By writ, &[c].

HAGUE. 2nd June 1820.

4466. A grant unto JOHN HAGUE, of Great Pearl Street, Spital Fields, in the cõy of Middlesex, engineer, for his invt[d] "Improvement in preparing the materials for making pottery ware, tiles, and bricks"; to hold, &[c]; six months. By writ, &[c].

BATE. 3rd June 1820.

4467. A grant unto WILLIAM BATE, of Peterborough, Northamptonshire, esquire, for his invt[d] "A combination of and additions to machinery calculated to increase power"; to hold, &[c]; six months. By writ, &[c].

BATE. 3rd June 1820.

4468. A grant unto WILLIAM BATE, of Peterborough, in the cõy of Northampton, esquire, for his invented "Certain improvements in preparing hemp, flax, or any other fibrous material for spinning"; to hold, &[c]. By writ, &[c].

TEISSIER. 3rd June 1820.

4469. A grant unto SIMEON TEISSIER, of Paris, in the kingdom of France, but at present residing in Bucklersbury, in the city of London, merchant, in consequence of a com[n] made to him by a certain foreigner he is in possõn of "An invention for certain improvements in propelling veśsels"; to hold, &[c]; two months. By writ, &[c].

PERKINS. 3rd June 1820.

4470. A grant unto JACOB PERKINS, late of Philadelphia, in the United States of America, but now residing at Austin Friars, in the city of London, engineer, for his invt[d] "Certain improvements in the construction of fixed and portable pumps, such as pumps fixed for raising water from wells and other situations, or ships pumps, or for portable pumps which may be employed for garden engines or in engines for extinguishing fires, or for other purposes"; to hold, &[c]; six months. By writ, &[c].

HAGUE. 3rd June 1820.

4471. A grant unto JOHN HAGUE, of Great Pearl Street, Spital Fields, in the cõy of Midd̃x, engineer, for his invented "Certain improvements in the making and constructing of steam engines"; to hold, &[c]; 2 months. By writ, &[c].

WAKEFIELD. 6th June 1820.

4472. A grant unto JOHN WAKEFIELD, of Ancotts Place, Manchester, in the county palatine of Lancaster, engineer, for his invented, found out, or discovered "Certain improvements in the construction of furnaces for boilers of various descriptions, and in the mode of feeding the same with fuel, which improvements are calculated to lessen the consumption of fuel and to burn the smoke"; that the same calculated to produce important benefit to the community; to hold, &[c]; six mo[s]. By writ, &[c].

KENDRICK. 6th June 1820.

4473. A grant unto WILLIAM KENDRICK, of Birmingham, in the county of Warwick, chemist, for his invented "The manufacture of a liquid from materials now considered useless for that purpose, and the application of the same liquid to the tanning of hides and other articles requiring such process"; to hold, &[c]; six months. By writ, &[c].

BROWNILL. 8th June 1820.

4474. A grant unto JONATHAN BROWNILL, of Sheffield, in the cõy of York, table knife cutler, for his invented "Method for better securing the blades of table knives and forks in the handles by means of caps being soldered upon the tangs, whether of iron, steel, or other materials, after the handles are upon them"; to hold, &[c]; two months.

PARKER. 15th June 1820.

4475. A grant unto SAMUEL PARKER, of Argyll Street, in the cõy of Middlesex, bronzist, for his invt[d] and brought to perfection "An improved lamp"; to hold, &[c]; two months. By writ, &[c].

COCHRANE. 17th June 1820.

4476. A grant unto WILLIAM ERSKINE COCHRANE, of Somerset Street, Portman Square, in the county of Middlesex, esquire, for his invented "Improvement in the construction of lamps"; to hold, &[c]; six months. By writ, &[c].

WOOLLAMS. 20th June 1820.

4477. A grant unto JOSEPH WOOLLAMS, of the city of Wells, in the county of Somerset, land agent, for his invented "Certain improvements in the teeth or cogs formed on or applied to wheels, pinions, and other mechanical agents for communicating or restraining motion"; to hold, &[c]; six months. By writ, &[c].

LODGE. BITTLESTON. 20th June 1820.

4478. A grant unto JOHN BUTLER LODGE and JOHN BITTLESTON junior, both of the Strand, in the county of Middlesex, truss makers, for their invt[d] "Certain improvements in the construction and application of spring trusses or bandages for the relief or cure of hernia"; to hold, &[c]; two months. By writ, &[c].

VALLANCE. 20th June 1820.

4479. A grant unto JOHN VALLANCE, of Brighton, in the county of Sussex, brewer, for his invented "Method and apparatus for freeing rooms and buildings (whether public or private) from the distressing heat sometimes experienced in them, and of keeping them constantly cool, or of a pleasant temperature, whether they are crowded to excess or empty, and also whether the weather be hot or cold"; to hold, &[c]; six months. By writ, &[c].

VALLANCE. 20th June 1820.

4480. A grant unto JOHN VALLANCE, of Brighthelmstone, in the county of Sussex, brewer, for his invented "Method and apparatus for packing and preserving hops"; to hold, &[c]; six months. By writ, &[c].

HARCOURT. 21st June 1820.

4481. A grant unto JAMES HARCOURT, of Birmingham, in the county of Warwick, brass founder, for his invented "Improvement in castors applicable to tables and other articles"; to hold, &[c]; two months. By writ, &[c].

SHAW. 21st June 1820.

4482. A grant unto JOHN SHAW, of Mary Street, Fitzroy Square, in the county of Middlesex, watch maker, for his invt[d] "New method of making bricks by machinery"; to hold, &[c]; six months. By writ, &[c].

GRAFTON. 11th July 1820.

4483. A grant unto JOHN GRAFTON, of the city of Edinburgh, for his invt[d] or found out "A new and improved method or methods of distilling off the products of coal, and carbonizing coal, in the process of making gas used for the purposes of illumination"; to hold, &[c]; two months. By writ, &[c].

READ. 11th July 1820.

4484. A grant unto JN[o] READ, of Horsmonden, in the cõy of Kent, gent., for his invt[d] "Improvement on syringes"; to hold, &[c]; two months. By writ, &[c].

WHITE. 11th July 1820.

4485. A grant unto JAMES WHITE, of Manchester, in the cõy palatine of Lancaster, civil engineer, for his invt[d] "Certain new machinery adapted to preparing and spinning wool, cotton, and other fibrous substances, and uniting several threads into one; and also certain combinations of the said new machinery with other machines, or with various parts only of other machines, already known and in use"; to hold, &[c]; six months. By writ, &[c].

FLETCHER. 11th July 1820.

4486. A grant unto SAMUEL FLETCHER, of Walsall, in the cõy of Stafford, saddlers ironmonger, for his invented "Improvem[t] on or addition to saddles, saddle straps, saddle girths, and saddle cloths, by the application of certain known materials hitherto unused for that purpose"; to hold, &[c]; four months. By writ, &[c].

DAVIS.
11th July 1820.

4487. A grant unto WILLIAM DAVIS, late of Brimscomb, but now of Bourne, near Minchinhampton, in the county of Gloucester, engineer, for his invt[d] "Certain improvements in machinery for shearing or cropping woollen and other cloths requiring such process"; to hold, &[c]; six months. By writ, &[c].

BOWMAN.
20th July 1820.

4488. A grant unto ROBERT BOWMAN, of Manchester, in the cõy palatine of Lancaster, manufacturer, for his invt[d] "Improvements in the construction of looms for weaving various sorts of cloths, which looms may be set in motion by any adequate power"; to hold, &[c]; six months. By writ, &[c].

BUSH.
20th July 1820.

4489. A grant unto MATTHEW BUSH, of Battersea Fields, in the county of Surrey, calico printer, for his invt[d] and found out "An improvement on a machine now in use for printing silks, linens, calicoes, woollens, and other similar fabrics, by means of which improvement shawls and handkerchiefs can be printed with one or more colour or colours, and whereby linens, calicoes, silks, woollens, and other fabrics of the like nature intended for garments can be printed with two or more colours"; to hold, &[c]; six months. By writ, &[c].

RIDER.
20th July 1820.

4490. A grant unto JOB RIDER, of Belfast Foundry, in that part of the united kingdom called Ireland, iron founder, for his invented "Certain improvements which produce a concentric and revolving excentric motion applicable to steam engines, water pumps, mills, and other machinery"; to hold, &[c]; six mo. By writ, &[c].

DELL.
20th July 1820.

4491. A grant unto WILLIAM DELL, of Southampton, auctioneer, for his invt[d] "Improvement in gun barrels"; to hold, &[c]; two months.

THOMASON.
20th July 1820.

4492. A grant unto HENRY BOTFIELD THOMASON, son of Edward Thomason, of Birmingham, in the cõy of Warwick, manufacturer, for his invented "Certain improvements in the making and manufacturing of cutlery, viz[t], that class of cutlery called or styled table knives, dessert knives, fruit knives, pocket knives, scissars, razors, and surgical instruments"; to hold, &[c]; two calendar months to inroll.

HUDSWELL.
20th July 1820.

4493. A grant unto JN[o] HUDSWELL, of Addle Street, in the city of London, wafer manufacturer, for his invented "Improvement in the manufacture of wafers"; to hold, &[c]; two months. By writ, &[c].

HARVIE.
16th August 1820.

4494. A grant unto JAMES HARVIE, engineer, late of Berbice, now in Glasgow, that he has been enabled, by communications made to him by certain persons residing abroad, and by long study and application, to effect great "Improvements in the construction of machines, commonly called ginning machines, and which are employed in separating cotton wool from the seeds"; to hold, &[c]; two months. By writ, &[c].

MILLICHAP.
18th August 1820.

4495. A grant unto GEORGE MILLICHAP, of Worcester, coach maker, for his invented "Improvement on axletrees and boxes"; to hold, &[c]; six months. By writ, &[c].

FRITH.
9th October 1820.

4496. A grant unto ROBERT FRITH, of Salford, in the county of Lancaster, dyer, for his invented great "Improvements in the method of dying and printing colours, so as to fix or make the same permanent or fast on cottons, linens, silks, mohair, worsted, and woollens, straw, chip, and leghorn"; to hold, &[c]; six months. By writ, &[c].

HARVEY.
12th October 1820.

4497. A grant unto WILLIAM HARVEY, of Belper, in the county of Derby, rope maker, for his invt[d] "Certain improvements in the manufacture of ropes and belts by machinery, and also improvements in the said machinery"; to hold, &[c]; two months.

WITTY.
16th October 1820.

4498. A grant unto RICHARD WITTY, of the parish of Sculcoates, in the county of York, engineer, for his invt[d] "Certain improvements in pumps of various constructions for raising & conveying water and other liquids, and also methods of applying a certain principle or principles to ships pumps, and for other useful purposes"; to hold, &[c]; six months. By writ, &[c].

ACRAMAN.
ACRAMAN.
16th October 1820.

4499. A grant unto WILLIAM ACRAMAN the younger, and DANIEL WADE ACRAMAN, both of the city of Bristol, iron manufacturers, for their invt[d] "Certain improvements in the process's of forming the materials for and manufacturing chains and chain cables"; to hold, &[c]; six months. By writ, &[c].

GILMOUR.
BOLD.
20th October 1820.

4500. A grant unto JAMES RICHARD GILMOUR, of King S[t], Borough, Southwark, and JOHN BOLD, of Mill Pond Bridge, both in the county of Surrey, printers, for their invented "Certain improvements on printing presses"; to hold, &[c]; six months. By writ, &[c].

PREST.
20th October 1820.

4501. A grant unto THOMAS PREST, of Chigwell, in the county of Essex, watch and time piece maker, for his invented "A new and additional movement applied to a watch, to enable it to be wound by the pendant knob without any detached key or winder"; to hold, &[c]; 2 months. By writ, &[c].

MAIN.
20th October 1820.

4502. A grant unto JOSEPH MAIN, of Bagnio Court, Newgate Street, in the city of London, esq., for his invented "Certain improvements on wheeled carriages"; to hold, &[c]; six months. By writ, &[c].

BIRKENSHAW.
23rd October 1820.

4503. A grant unto JOHN BIRKENSHAW, of Bedlington Iron Works, in the county of Durham, gent., for his invented "Certain improvements in the manufacturing and construction of a wrought or malleable iron rail road or way"; to hold, &[c]; 2 months. By writ, &[c].

TAYLOR.
23rd October 1820.

4504. A grant unto WILLIAM TAYLOR, late of Gospel Oak, in the parish of Sedley, but now of the parish of Wednesbury, in the county of Stafford, furnace worker, for his invented "An improved furnace for the smelting of iron and other ores"; six months. By writ, &[c].

PEARSON.
1st Nov. 1820.

4505. A grant unto THOMPSON PEARSON, of South Shields, in the county of Durham, ship builder, for his invt[d] "Improvement on rudders"; to hold, &[c]; 2 mo[s]. By writ, &[c].

LOBECK.
1st Nov. 1820.

4506. A grant unto HENRY LEWIS LOBECK, of Tower Street, in the city of London, merchant, in consequence of a communication made to him by a certain foreigner residing abroad he is in possession of "An improvement in the process of making yeast"; to hold, &[c]; six months. By writ, &[c].

WRIGHT.
1st Nov. 1820.

4507. A grant unto SAMUEL WELLMAN WRIGHT, of Upper Kennington, in the cõy of Surrey, engineer, for his invented "Combination in machinery for making bricks and tiles"; to hold, &[c]; six months. By writ, &[c].

HAWKER.
1st Nov. 1820.

4508. A grant unto PETER HAWKER, of Long Parish House, near Andover, in the county of Hants, major in our army, for his invented "Machine, instrument, or apparatus, to assist in the attainment of proper performance on the piano forte or other keyed instruments"; to hold, &[c]; two months. By writ, &[c].

CROMPTON. 1st Nov. 1820.

4509. A grant unto THOMAS BONSOR CROMPTON, of Farnworth, in the cõy of Lancaster, paper manufacturer, for his invented "Improvement in drying and finishing of paper by certain means hitherto unused for that purpose"; to hold, &c ; six months. By writ, &c.

TOREY. 1st Nov. 1820.

4510. A grant unto WILLIAM SWIFT TOREY, of Lincoln, farmer, for his invented "Certain improvements on drills to be affixed to ploughs"; to hold, &c ; 2 months. By writ, &c.

WINTER. 7th Nov. 1820.

4511. A grant unto JOHN WINTER, of Acton, in the county of Middlesex, esq^{r}, for his invt^{d} "Certain improvements on chimney caps, and in the application thereof"; to hold, &c ; two months. By writ, &c.

DYSON. 11th Nov. 1820.

4512. A grant unto THOMAS DYSON, of Abbey Dale, in the parish of Sheffield, in the county of York, scythe manufacturer, for his found out and invented "Improvement or improv^{ts} of plane irons and turning chissels"; to hold, &c ; 2 months. By writ, &c.

RANSOME. RANSOME. 28th Nov. 1820.

4513. A grant unto JAMES RANSOME, of Ipswich, in the county of Suffolk, ironfounder, and ROBERT RANSOME, of Colchester, in the county of Essex, ironfounder, for their invented or found out "An improvement upon an invention for which the said petitioner James Ramsome now hath a Patent, bearing date the first day of June 1816, intituled 'An invention for certain imprt^{s} on ploughs'"; to hold, &c ; 2 months to inroll. By writ, &c.

KENDRICK. 5th Dec. 1820.

4514. A grant unto WILLIAM KENDRICK, of Birmingham, in the county of Warwick, chymist, for his invented "Combination of apparatus for extracting a tanning matter from bark and other substances containing such tanning matter"; to hold, &c ; four months. By writ, &c.

DOBBS. 9th Dec. 1820.

4515. A grant unto THOMAS DOBBS, of Small Brook Street, in the county of Warwick, plater, for his invented "Mode of uniting together or plating tin upon lead"; to hold, &c ; two calendar months. By writ, &c.

MOORE. 9th Dec. 1820.

4516. A grant unto JOHN MOORE the younger, of Castle S^{t}, in the city of Bristol, gentleman, for his invented or found out "A certain machine or machinery, or apparatus, which may be worked by steam, by water, or by gas, as a moving power"; to hold, &c; two months. By writ, &c.

CARTER. 11th Dec. 1820.

4517. A grant unto WILLIAM CARTER, of S^{t} Agnes Circus, Old S^{t} Road, in the county of Middx, printer, for his invented "Certain improvements in steam engines"; to hold, &c; 6 months. By writ, &c.

VAUGHAN. 14th Dec. 1820.

4518. A grant unto GEORGE VAUGHAN, of Sheffield, in the county of York, gentleman, for his invented "Blowing machine, on a new construction, for the fusing and heating of metals, smelting of ores, and supplying blast for various other purposes"; six months. By writ, &c.

MALLET. 14th Dec. 1820.

4519. A grant unto WILLIAM MALLET, of Marlborough Street, Dublin, locksmith, for his invented "Certain improvements on locks applicable to doors and other purposes"; to hold, &c. By writ, &c.

TIMBRELL. 22nd Dec. 1820.

4520. A grant unto ANDREW TIMBRELL, of the Old South Sea House, in the city of London, merchant, for his invented "Improvement of the rudder and steerage of a ship or vessel"; to hold, &c; six months. By writ, &c.

CONGREVE. 22nd Dec. 1820.

4521. A grant unto Sir WILLIAM CONGREVE, of Cecil Street, Strand, in the county of Middlesex, baronet, for his invented "Certain improvements in printing in one, two, or more colours"; to hold, &c; six calendar mos to inroll. By writ, &c.

BRUNEL. 22nd Dec. 1820.

4522. A grant unto MARC ISAMBARD BRUNEL, of Chelsea, in the county of Middlesex, civil engineer, for his invtd "A pocket copying press; and also certain improvements on copying presses"; to hold, &c; six months. By writ, &c.

PRITCHARD. 22nd Dec. 1820.

4523. A grant unto WILLIAM PRITCHARD, of Leeds, in the cõy of York, engineer, for his invtd "Certain improvements in an apparatus calculated to save fuel, and for the more economical consumption of smoke, in shutting fire doors and air flues in steam engine boilers, drying pans, and brewing pans, and other fire doors and air flues"; to hold, &c; two mos. By writ, &c.

SADLER. 3rd Jan. 1821.

4524. A grant unto JOHN SADLER, of Penlington Place, in the parish of Lambeth, in the county of Surrey, gentleman, for his invented or found out "A new and improved method or process of manufacturing carbonate of lead, formerly denominated ceruse, but now commonly called white lead"; to hold, &c; six months to inroll. By writ, &c.

BRADBURY. 9th Jan. 1821.

4525. A grant unto JOHN LEIGH BRADBURY, of Manchester, in the county palatine of Lancaster, gentleman, for his invented or found out "A new mode of engraving and etching metal rollers used for printing upon woollen, cotton, linen, paper, cloth, silk and other substances"; to hold, &c; six months. By writ, &c.

SALMON. 15th Jan. 1821.

4526. A grant unto ROBERT SALMON, of Woburn, in the cõy of Bedford, esqr, for his invtd "Certain improvements in the construction of instruments for the relief of hernia and prolapsis, which instrument, so improved, he denominates 'scientific principled, variable, secure, light, easy, elegant, cheap, and durable trusses'"; to hold, &c; six months. By writ, &c.

CHAMBERS. 15th Jan. 1821.

4527. A grant unto ABRAHAM HENRY CHAMBERS, of Bond Street, in the cõy of Middx, esq., for his invented "Improvement in the manufacture of building cement, composition, stucco, or plaster, by means of the application and combination of certain known materials hitherto unused (save for experiments) for that purpose"; to hold, &c; six calendar months to inroll. By writ, &c.

DANIELL. 15th Jan. 1821.

4528. A grant unto JOHN FREDERICK DANIELL, of Gower Street, Bedford Square, in the county of Middx, esq., for his invented or found out "Certain improvements in clarifying and refining sugar"; to hold, &c; six months. By writ, &c.

PHILLIPS. 19th Jan. 1821.

4529. A grant unto CHARLES PHILLIPS, of Albemarle St, Piccadilly, in the county of Middlesex, commander in our royal navy, for his invtd "Certain improvements in the apparatus for propelling vessels, and an improvement in the construction of vessels so propelled"; to hold, &c. By writ, &c.

COLE. 27th Jan. 1821.

4530. A grant unto JAMES FERGUSON COLE, of Hans Place, in the parish of St Luke, Chelsea, in the county of Middlesex, watch and chronometer maker, for his invtd "Certain improvements in chronometers"; to hold, &c; 2 months.

ARNOLD. 27th Jan. 1821.

4531. A grant unto JOHN ROGER ARNOLD, of Chigwell, in the county of Essex, chronometer and time piece maker, for his invented "New or improved expansion balance for a chronometer"; to hold, &c; two months. By writ, &c.

DOXAT.
27th Jan. 1821.

4532. A grant unto ALPHONSO DOXAT, of Bishopsgate Street, esq., in consequence of a communication made to him by a certain foreigner residing abroad he is in possession of an invention of "A new combination of mechanical powers, whereby the weight and muscular force of men may be employed to actuate machinery for raising water or other purposes in a more advantageous manner than has been hitherto practised"; to hold, &c.
By writ, &c.

LONDON.
3rd Feb. 1821.

4533. A grant unto PHILLIPS LONDON the younger, of Cannon Street, in the city of London, practical chemist, for his discovered "Certain improvement in the application of heat to coppers and other utensils," which discovery or invention he believes will be of much benefit and utility; to hold, &c; six months. By writ, &c.

ALDERSEY.
3rd Feb. 1821.

4534. A grant unto WILLIAM ALDERSEY, of Homerton, in the parish of Hackney, in the county of Middx, gent., for his invented "Improvement on steam engines and other machinery where the crank is used"; to hold, &c; four calendar months. By writ, &c.

VIZARD.
3rd Feb. 1821.

4535. A grant unto GEORGE VIZARD, of Dursley, in the cŏy of Gloucester, clothier, for his invented "New process or method of dressing and polishing goods of woollen manufacture"; to hold, &c; two months. By writ, &c.

MASTERMAN.
10th Feb. 1821.

4536. A grant unto THOMAS MASTERMAN, of 38, Broad Street, Ratcliffe, in the cŏy of Middx, common brewer, for his invtd or found out "Certain machinery for the purpose of imparting motion, to be worked by steam and water, without either cylinder or piston, and with less loss of power than occurs in working any of the steam engines now in use"; to hold, &c; 4 months. By writ, &c.

STEIN.
20th Feb. 1821.

4537. A grant unto ROBERT STEIN, of N° 7, Walcot Place, Lambeth, in the county of Surrey, brewer, for his invented "Certain improvements in steam engines"; to hold, &c; six mos. By writ, &c.

FOSTER.
20th Feb. 1821.

4538. A grant unto JAMES FOSTER, of Stourbridge, in the county of Worcester, iron master, for his invented "Certain improvements in the manufacture of wrought or malleable iron"; to hold, &c; six months.
By writ, &c.

PENNECK.
27th Feb. 1821.

4539. A grant unto HENRY PENNECK, of the town of Penzance, in the county of Cornwall, doctor of physic, for his invtd "Improvement or improvements of machinery, for the purpose of lessening the consumption of fuel in working steam engines"; to hold, &c; six months.

COOPER.
3rd March 1821.

4540. A grant unto ROBERT BURTON COOPER, of the Strand, in the county of Middlesex, sword cutler, for his invtd "Imprts on or a substitute for stoppers, covers, or lids, such as are used for bottles, tobacco and snuff boxes, ink holders, and various other articles requiring stoppers, covers, or lids"; to hold, &c; six months.

DICKSON.
5th March 1821.

4541. A grant unto JONATHAN DICKSON, of Holland Street, Blackfriars, in the county of Surrey, engineer, for his invtd or found out divers valuable "Improvements in the means of transmitting heat, and also in the means of transmitting cold from one body to another, whether solids or fluids"; 2 months. By writ, &c.

COLLARD.
8th March 1821.

4542. A grant unto WILLIAM FREDERICK COLLARD, of N° 195, Tottenham Court Road, in the parish of St Pancras, in the county of Middlesex, musical instrument maker, for his invented "Certain improvements on musical instruments called piano fortes"; six months. By writ, &c.

WILSON.
8th March 1821.

4543. A grant unto STEPHEN WILSON, of Streatham, in the cõy of Surrey, esq., in consequence of discoveries by himself and communications made to him by foreigners residing abroad he is in possession of "Certain improvements in machinery for weaving figured goods"; and that the same are new in this kingdom, and have not been used or practised by any other person or persons whomsoever, to his knowledge or belief; to hold, &c; four months. By writ, &c.

BROWNE.
16th March 1821.

4544. A grant unto HENRY BROWNE, of Derby, in the county of Derby, chymist, for his invented "Improvement in the construction of boilers, whereby a considerable saving in fire is effected and smoke rapidly consumed," which he conceives will be of great public utility; 4 months. By writ, &c.

PELLAFINET.
27th March 1821.

4545. A grant unto ILARIO PELLAFINET, of Earls Court, in the county of Middlesex, gentleman, for his invented "Certain new and improved machinery and methods of breaking, bleaching, preparing, manufacturing, and spinning into thread or yarn, flax, hemp, and other productions and substances of the like nature capable of being manufactured into thread or yarn"; to hold, &c; 12 mos to inroll. By writ, &c.

SOUTHWELL.
5th April 1821.

4546. A grant unto WILLIAM SOUTHWELL, of Gresse Street, Rathbone Place, in the county of Middx, piano forte manufacturer, for his invented "Certain improvements on cabinet piano fortes"; to hold, &c; 2 months. By writ, &c.

GOODMAN.
5th April 1821.

4547. A grant unto JAMES GOODMAN, of Southampton, sadler, for his invtd "Improvement on stirrup irons"; two months. By writ, &c.

GOLDFINCH.
5th April 1821.

4548. A grant unto HENRY GOLDFINCH, of Hythe, in the county of Kent, lieutenant colonel in our royal engineers, for his invented "Improvement in the formation of horse shoes"; to hold, &c; six months. By writ, &c.

ANNESLEY.
5th April 1821.

4549. A grant unto WILLIAM ANNESLEY, of Belfast, in that part of our united kingdom called Ireland, architect, for his invented "Certain improvements in the construction of ships, boats, and other vessels"; to hold, &c; 2 months. By writ, &c.

CHAPMAN.
12th April 1821.

4550. A grant unto WILLIAM CHAPMAN, of the town and county of New castle-upon-Tyne, civil engineer, for his invtd "Method or methods of transferring the ladings of lighters and barges into ships or vessels, or from ships or vessels into lighters and barges"; to hold, &c; 2 months, &c. By writ, &c.

MARSH.
17th April 1821.

4551. A grant unto JAMES HENRY MARSH, of Chenies Street, Tottenham Court Road, in the county of Middx, coach maker, for his invtd "Certain improvements on wheeled carriages"; 2 months. By writ, &c.

SMITH.
18th April 1821.

4552. A grant unto JAMES SMITH, of Hackney, in the county of Middx, gent., for his invtd or found out "Certain imprt or imprts in the method or methods or machinery employed for shearing or cropping woollen cloth"; 2 months. By writ, &c.

THOMAS.
LOBB.
1st May 1821.

4553. A grant unto WILLIAM THOMAS, of the parish of Sithney, in the county of Cornwall, merchant, and JOSEPH LOBB, of the sd parish of Sithney, in the sd cõy, farmer, for their invtd "Machine or instrument for cutting and preparing lay or lea ground for tillage at much less expense and in a shorter space of time than are required by the present mode of ploughing; and also for renewing grass land, lay or lea ground, without destroying or tearing up the whole of the surface thereof"; two months. By writ, &c.

LAW.
1st May 1821.

4554. A grant unto ALEXANDER LAW, of the Commercial Road, in the hamlet of Mile End Old Town, in the parish of Stepney, founder, for his invt^d^ "Improvement in the formation of bolts and nails for ship and other fastenings"; 2 months. By writ, &^c^.

DELAP.
1st May 1821.

4555. A grant unto ROBERT DELAP, of Belfast, in that part of our united kingdom called Ireland, merchant, for his invt^d^ "Certain improvements in producing rotary motion"; six months. By writ, &^c^.

TOMLINSON.
3rd May 1821.

4556. A grant unto RICHARD JONES TOMLINSON, of the city of Bristol, merchant, for his invented "Improved rafter, for roofs, or beam, or other purposes"; to hold, &^c^; six months. By writ, &^c^.

REEDHEAD.
PARREY.
5th May 1821.

4557. A grant unto JOHN REEDHEAD, of Heworth, in the cŏy of Durham, engineer and mariner, and WILLIAM PARREY, of East Lane, Walworth, in the cŏy of Surrey, master mariner, for their invented "Certain improvements in propelling vessels"; to hold, &^c^; 6 months. By writ, &^c^.

MANBY.
9th May 1821.

4558. A grant unto AARON MANBY, of Horsley, near Tipton, in the county of Stafford, iron master, for his invented "Certain improvements in the making and manufacturing of steam engines"; to hold, &^c^; 2 months. By writ, &^c^.

HALL.
9th May 1821.

4559. A grant unto SAMUEL HALL, of Basford, in the cŏy of Nottingham, cotton spinner, for his invented "Improvement in the manufacture of starch"; to hold, &^c^; six months. By writ, &^c^.

MAYOR.
COOK.
9th May 1821.

4560. A grant unto JOHN MAYOR, of Shawbury, in the cŏy of Salop, clerk, and ROBERT COOK, of Shrewsbury, in the said cŏy, accountant, for their invt^d^ "Certain improvements in the machinery for raising water, which they intend to denominate 'hydragogue'"; to hold, &^c^; six months. By writ, &^c^.

ECKSTEIN.
9th May 1821.

4561. A grant unto GEORGE FREDERICK ECKSTEIN, of High Holborn, in the cŏy of Middlesex, ironmonger, for his invented "Certain improvements in cooking apparatus"; to hold, &^c^; six months. By writ, &^c^.

PAUL.
HART.
17th May 1821.

4562. A grant unto ROBERT PAUL, of Starton, in the cŏy of Norfolk, gent., and SAMUEL HART, of Redenhall-with-Harleston, in the same county, painter and gig maker, for their invented "Improvement in springs, applicable to various descriptions of carriages"; to hold, &^c^; six months. By writ, &^c^.

CONGREVE.
COLQUHOUN.
7th June 1821.

4563. A grant unto Sir WILLIAM CONGREVE, of Cecil S^t^, Strand, in the county of Middlesex, baronet, and JAMES NISBET COLQUHOUN, of Woolwich, in the county of Kent, lieutenant in our royal artillery, for their invented "Certain improvements in the art of killing and capturing whales and other animals to which such means are applicable"; to hold, &^c^; six months. By writ, &^c^.

VALLANCE.
19th June 1821.

4564. A grant unto JOHN VALLANCE, of Brighton, in the county of Sussex, brewer, that on the 20^th^ day of June last he obtained Letters Patent for "A method and apparatus for freeing rooms and buildings, whether public or private, from the distressing heat sometimes experienced in them, and of keeping them constantly cool, or of a pleasant temperature, whether they are crowded to excess or empty, and also whether the weather be hot or cold"; and that he, the s^d^ Jn^o^ Vallance, hath since invented or discovered "Improvements relative thereto; and in some cases with and in some cases without a gas or gases, extended or additional applications of the principles or of some or one of the principles, either of construction or operation thereof, as applicable to purposes other than what he first contemplated"; six months. By writ, &^c^.

CHURCH. 3rd July 1821.

4565. A grant unto WILLIAM CHURCH, of Threadneedle Street, in the city of London, gentleman, for his invented "Improved apparatus for printing"; to hold, &c; six months. By writ, &c.

SIMPSON. 3rd July 1821.

4566. A grant unto JAMES SIMPSON, of the Strand, in the county of Middlesex, surgical instrument maker, for his invented "Improvement in the manufacture of snuffers"; to hold, &c; two months. By writ, &c.

COLES. 5th July 1821.

4567. A grant unto WILLIAM COLES, of New Street Square, in the parish of St Brides, in the city of London, mechanic, for his invented "Braces or instruments for the relief of hernia or ruptures"; to hold, &c; six months. By writ, &c.

DICKINSON. 14th July 1821.

4568. A grant unto ROBERT DICKINSON, of Great Queen Street, Lincolns Inn Fields, in the county of Middlesex, esquire, for his invented "Certain improvements in the construction of vessels or crafts of every description, whereby such vessels or crafts may be rendered more durable than those heretofore constructed for the purposes of navigation"; to hold, &c; six months. By writ, &c.

NEWMAN. 17th July 1821.

4569. A grant unto CHARLES NEWMAN, of Brighton, in the county of Sussex, coach master, for his invented "Improvement in the construction of the body and carriage of a stage or other coach, by placing a certain proportion of the outside passengers in the centre of the carriage, and a proportion of the luggage under the same, producing thereby safety to the coach and convenience to the passengers"; to hold, &c; two months. By writ, &c.

COOPER. MILLER. 17th July 1821.

4570. A grant unto SAMUEL COOPER, engineer, and WILLIAM MILLER, gentleman, both of Margate, in the county of Kent, for their invented "Certain improvements on printing"; to hold, &c; six months. By writ, &c.

LAW. 17th July 1821.

4571. A grant unto ALEXANDER LAW, of the Commercial Road, in the hamlet of Mile End Old Town, in the parish of Stepney, founder, for his invtd "Improvement in the form of bolts and nails for ships and other fastenings"; to hold, &c; two months. By writ, &c.

HEYTHUYSEN. 23rd July 1821.

4572. A grant unto FREDERIC MIGHELLS VAN HEYTHUYSEN, of Chancery Lane, London, for his invented or found out "A new method of propelling small vessels or boats through water, and light carriages over land"; to hold, &c; six months. By writ, &c.

BARCLAY. 26th July 1821.

4573. A grant unto DAVID BARCLAY, of Broad St, in the city of London, merchant, in consequence of a communication made to him by a certain foreigner residing abroad he is in possession of "An invention of a spiral lever, or rotary standard press"; to hold, &c; six months. By writ, &c.

BARKER. HARRIS. 26th July 1821.

4574. A grant unto THOMAS BARKER, of Oldham, in the cöy of Lancaster, and JOHN RAWLINSON HARRIS, of Winchelsea Place, Southwark, in the county of Surrey, hat manufacturer, for their invented "Certain improvements in the method of clearing furs and wools used in the manufacture of hats from kemps and hairs"; to hold, &c; six months. By writ, &c.

BARRY. 26th July 1821.

4575. A grant unto JOHN RICHARD BARRY, of the Minories, in the city of London, gentleman, for his invented "Certain improvements on and additions to wheeled carriages"; to hold, &c; six months. By writ, &c.

BAGSHAW. 26th July 1821.

4576. A grant unto SAMUEL BAGSHAW, of Newcastle-under-Lyme, in the county of Stafford, gentleman, for his invented "Method of forming and manufacturing vases, urns, basins, and other ornamental articles"; to hold, &c; two months. By writ, &c.

MANTON.
30th July 1821.

4577. A grant unto JOHN MANTON, of Dover Street, Piccadilly, in the county of Middlesex, gunmaker, for his invt^d "Improvement in the construction of locks of all kinds of fowling pieces and fire arms"; to hold, &c; two months. By writ, &c

BENNETT.
4th August 1821.

4578. A grant unto THOMAS BENNETT junior, of Bewdley, in the county of Worcester, builder, for his invt^d "Certain improvements in steam engines or steam apparatus"; to hold, &c; six months. By writ, &c.

SLATER.
4th August 1821.

4579. A grant unto JOHN SLATER, of Birmingham, in the county of Warwick, manufacturer, for his invt^d "Improvements in making a kitchen range and apparatus for cooking and other purposes"; six calendar months. By writ, &c.

HIGMAN.
14th August 1821.

4580. A grant unto WILLIAM HENRY HIGMAN, of the city of Bath, in the county of Somerset, saddler and coach harness maker, for his invt^d "Certain improvements in the construction of harness"; to hold, &c; 2 months. By writ, &c.

GORDON.
14th August 1821.

4581. A grant unto DAVID GORDON, of the city of Edinburgh, in the county of Edinburgh, at present residing in the town of Stranner, esq., for his invt^d "Certain improvements in the construction of wheeled carriages"; to hold, &c. By writ, &c.

DE CHABANNES.
14th August 1821.

4582. A grant unto JEAN FREDERICK Marquis DE CHABANNES, of Russel Place, Fitzroy Square, in the county of Middlesex, for his invented "New method and apparatus for attracting and catching of fish"; to hold, &c; six months. By writ, &c.

COLLINGE.
14th August 1821.

4583. A grant unto JOHN COLLINGE, of Lambeth, in the county of Surrey, engineer, for his invt^d "Improvement on cast iron rollers for sugar mills, by more permanently fixing them to their gudgeons"; to hold, &c; 4 months. By writ, &c.

NICHOL.
22nd August 1821.

4584. A grant unto JOHN NICHOL, of West End, in the parish of S^t Johns, Hampstead, in the county of Middlesex, master mariner, for his invt^d "Improved capstan, windlass, and horses roller"; to hold, &c; two months. By writ, &c.

LANE.
23rd August 1821.

4585. A grant unto WILLIAM LANE, of Birmingham, in the cõy of Warwick, jack maker, for his invt^d "Certain improvements on horizontal roasting jacks, which improvements are applicable to other useful purposes"; 2 months. By writ, &c.

GORDON.
8th Sept. 1821.

4586. A grant unto DAVID GORDON, of the city of Edinburgh, in the county of Edinburgh, at present residing in the town of Stranraer, esq., for his invt^d "Certain improvements in the construction of harness for animals of draft and burthen"; six months. By writ, &c.

GIBBONS.
WILKINSON.
8th Sept. 1821.

4587. A grant unto BEVINGTON GIBBONS, of Melin Crythen Works, near Neath, in the county of Glamorgan, chemist, (one of the people called Quakers,) and CHARLES HUNNINGS WILKINSON, of Bath, in the county of Somerset, doctor of medicine, for their invt^d or found out "An improved retort or vessel for making coal and other gas, and for distillation, evaporation, and concentration of acids and other substances"; 2 mo^s. By writ, &.

DEURBROUCQ.
11th Sept. 1821.

4588. A grant unto DOMINIQUE PEERRE DEURBROUCQ, of King Street, Soho, in the cõy of Middx, gent., in conseq^ce of a communication made to him by a certain foreigner residing abroad he is in possession of "An apparatus for the

purpose of condensing the alcholic steams arising from spirituous liquors, such as wine, brandy, beer, cyder, and other spirituous liquors during their fermentation"; six months. By writ, &c.

HAWKINS. 11th Sept. 1821.

4589. A grant unto RICHARD FRANCIS HAWKINS, of Plumstead, in the cõy of Kent, master mariner, for his invt^d "Certain improvements in the construction of anchors"; six months. By writ, &c.

WEBSTER. 14th Sept. 1821.

4590. A grant unto WILLIAM WEBSTER, of George Court, Princes S^t, Soho, in the county of Middlesex, gun maker, for his invented "Certain improvements in the mechanism of and appertaining to Forsyths roller magazine for the discharge of fowling pieces and fire arms in general by means of percussion"; 2 months. By writ, &c.

LOSH. 14th Sept. 1821.

4591. A grant unto WILLIAM LOSH, of Newcastle-upon-Tyne, iron founder, for his invt^d and found out "Certain improvements in the construction of iron rails for railways"; two mo^s. By writ, &c.

GLADSTONE. 20th Sept. 1821.

4592. A grant unto JAMES GLADSTONE, of Liverpool, in the cõy of Lancaster, ironmonger, for his invt^d "Method of encreasing the strength of timber"; six months. By writ, &c.

CONGREVE. 28th Sept. 1821.

4593. A grant unto Sir WILLIAM CONGREVE, of Cecil Street, Strand, in the county of Middlesex, baronet, for his invented "Certain improvements on his former Patent, bearing date the 19^th day of October 1818, for certain new methods of constructing steam engines"; to hold, &c; six months. By writ, &c.

FERGUSSON. 18th October 1821.

4594. A grant unto JAMES FERGUSSON, of Newman Street, Oxford Street, in the cõy of Middx, stereotyper and printer, for his invented "Improvements upon, additions to, or substitutes for certain materials or apparatus made use of in the process of printing from stereotype plates"; 2 months. By writ of Privy Seal.

HAWKINS. 18th October 1821.

4595. A grant unto STEPHEN HAWKINS, of the Strand, in the cõy of Middlesex, civil engineer, for his invt^d "Certain improvt^s on traps for privies, water closets, close stools, chamber conveniences, to which the same may be applicable"; six months, &c. By writ, &c.

LEES. 18th October 1821.

4596. A grant unto THOMAS LEES the younger, of Birmingham, in the county of Warwick, snuffer manufacturer, for his invt^d "Certain improvements in the construction of snuffers"; 2 mo^s. By writ, &c.

DAVEY. 18th October 1821.

4597. A grant unto PETER DAVEY, of Old Swan Wharf, Chelsea, in the cõy of Middlesex, coal merchant, for his invt^d "Improved preparation of coal for fuel"; to hold, &c; 4 mo^s. By writ, &c.

POOLE. 18th October 1821.

4598. A grant unto JOHN POOLE, of Sheffield, in the cõy of York, victualler, for his invented "Certain improvements in plating iron or steel with brass or copper, or copper alloyed with other metal or metals, both plain and ornamental, for the purpose of rolling and working into plates, sheets, or bars, and such goods or wares to which the same may be found applicable"; six months. By writ, &c.

CHRSTOPHERS 18th October 1821.

4599. A grant unto JOHN CHRISTOPHERS, of New Broad S^t, in the city of London, merchant, for his invt^d "Certain improvements on or a substitute or substitutes for anchors"; to hold, &c; six months. By writ, &c.

GRIFFITH. 18th October 1821.

4600. A grant unto OWEN GRIFFITH, of Tryfan, in the cõy of Carnarvon, gentleman, for his invented or found out "An improvement in the principle and construction of manufacturing or making of trusses for the cure of ruptures or hernia, in whatsoever part or parts of the body it may be situated"; to hold, &c; six months to inroll. By writ, &c.

MARTIN.
GRAFTON.
24th October 1821.

4601. A grant unto THOMAS MARTIN and CHARLES GRAFTON, of Birmingham, in the county of Warwick, printing ink manufacturers and partners in trade, for their invented "New method of making fine light black of very superior colour, which, for distinction from other blacks, they call 'spirit black'; and a new apparatus for producing the same"; two months. By writ, &c.

THOMPSON.
24th October 1821.

4602. A grant unto BENJAMIN THOMPSON, of Ayton Cottage, in the county of Durham, gentleman, for his invented or found out "A method of facilitating the conveyance of carriages along iron and wood railways, tramways, and other roads"; to hold, &c; 2 months. By writ, &c.

TUELY.
1st Nov. 1821.

4603. A grant unto CHARLES TUELY the elder, of Kenton Street, Brunswick Sq., in the cõy of Midx, cabinet maker, for his discovered and invented "Certain improvements applicable to window sashes, either single or double, hung, fixed, or sliding sashes, casements, window shutters, and window blinds"; to hold, &c; six mos. By writ, &c.

HOBDAY.
1st Nov. 1821.

4604. A grant unto SAMUEL HOBDAY, of Birmingham, in the county of Warwick, patent snuffer maker, for his invented "New and improved method or principle of manufacturing the furniture for umbrellas and parasols, and of uniting the same together"; to hold, &c; two months. By writ, &c.

ARCHBOLD.
1st Nov. 1821.

4605. A grant unto JOHN FREDERICK ARCHBOLD, of Serjeants Inn, Fleet Street, in the city of London, esq., for his invented or found out "A mode of ventilating close carriages"; to hold, &c; 2 months. By writ, &c.

WRIGHT.
9th Nov. 1821.

4606. A grant unto RICHARD WRIGHT, of Mount Row, Kent Road, in the county of Surrey, engineer, for his invented "Certain improvements in the process of distillation"; to hold, &c; six months. By writ, &c.

REDMUND.
9th Nov. 1821.

4607. A grant unto DAVID REDMUND, of Agnes Circus, Old St Road, in the cõy of Middlesex, engineer, for his invtd "An improvement in the construction or manufacture of hinges for doors"; to hold, &c; six months. By writ, &c.

EGELLS.
9th Nov. 1821.

4608. A grant unto FRANZ ANTON EGELLS, of Britannia Terrace, City Road, in the county of Middlesex, engineer, for his invented "Certain improvements on steam engines"; to hold, &c; six months. By writ, &c.

GARDNER.
9th Nov. 1821.

4609. A grant unto JAMES GARDNER, of Banbury, in the county of Oxford, ironmonger, for his invented "Machine to cut fat and other articles of a like nature, preparatory to melting, in the manufacture of tallow, soap, and candles, and which machine may be used for other similar purposes"; to hold, &c; two months to inroll.

BATES.
9th Nov. 1821.

4610. A grant unto JOHN BATES, of Bradford, in the county of York, machine maker, for his invented "Certain machinery for the purpose of feeding furnaces of every description, steam engines and other boilers, with coal, coke, and fuel of every kind"; to hold, &c; six months. By writ, &c.

RICHARDS.
10th Nov. 1821.

4611. A grant unto WILLIAM WESTLEY RICHARDS, of Birmingham, in the county of Warwick, gun maker, for his invented "Improvement in the construction of gun and pistol locks"; to hold, &c; two months. By writ, &c.

PENROSE.
10th Nov. 1821.

4612. A grant unto WILLIAM PENROSE, of Summergangs, in the county of York, miller, for his invtd "Various improvements in the machinery for propelling vessels, and in vessels so propelled"; to hold, &c; six months. By writ, &c.

SYMES. 10th Nov. 1821.

4613. A grant unto EDWARD BOWLES SYMES, of Lincolns Inn, in the county of Middlesex, esquire, for his invented "An expanding hydrostatic piston, to resist the pressure of certain fluids, and slide easily in an imperfect cylinder"; to hold &c; six months. By writ, &c.

GROUT. 13th Nov. 1821.

4614. A grant unto JOSEPH GROUT, of Gutter Lane, Cheapside, in the city of London, crape manufacturer, for his invented and discovered "A new manufacture of crape"; six months to inroll. By writ, &c.

ARNOTT. 14th Nov. 1821.

4615. A grant unto NEIL ARNOTT, of Bedford Square, in the county of Middlesex, doctor in medicine, for his invented "Improvements connected with the production and agency of heat in furnaces, steam and air engines, distilling, evaporating, and brewing apparatus"; to hold, &c; six mos to inroll. By writ, &c.

MACNAMARA. 20th Nov. 1821.

4616. A grant unto RICHARD MACNAMARA, of Canterbury Buildings, Lambeth, in the county of Surrey, esqr, for his invented "Improvement in paving, pitching, and covering streets, roads, and other places"; to hold, &c; six months. By writ, &c.

COLLINGE. 22nd Nov. 1821.

4617. A grant unto JOHN COLLINGE, of Lambeth, in the county of Surrey, engineer, for his invented "Improvement on hinges"; to hold, &c; six months. By writ, &c.

PALMER. 22nd Nov. 1821.

4618. A grant unto HENRY ROBINSON PALMER, of Hackney, in the county of Middlesex, civil engineer, for his invented "An improvement or improvements in the construction of railways or tram roads, and of the carriage or carriages to be used thereon"; to hold, &c; six months. By writ, &c.

PARKIN. 24th Nov. 1821.

4619. A grant unto THOMAS PARKIN, of Skinner St, Bishopgate Street, in the county of Middx, merchant, for his invtd "Improvement or improvements in printing"; to hold, &c; six months. By writ, &c.

BAYLIS. 27th Nov. 1821.

4620. A grant unto WILLIAM BAYLIS junior, of Painswick, in the county of Gloucester, clothier, for his invented "Machine for washing and cleaning cloths"; to hold, &c; two months. By writ, &c.

MOTLEY. 27th Nov. 1821.

4621. A grant unto THOMAS MOTLEY, of the Strand, in the county of Middlesex, patent letter maker, for his invtd "Certain improvements in the construction of candlesticks or lamps, and in candles to be burnt therein"; to hold to him, his exs, &c; six months. By writ, &c.

BRODERIP. 5th Dec. 1821.

4622. A grant unto CHARLES BRODERIP, of London, esq., now residing in Glasgow, for his invented, devised, and discovered "Various improvements in the construction of steam engines"; to hold, &c; six months. By writ, &c.

RICKETTS. 5th Dec. 1821.

4623. A grant unto HENRY RICKETTS, of Phœnix Glass Works, Bristol, in the county of Somerset, glass manufacturer, for his invtd "Improvement in the art or method of making or manufacturing glass bottles, such are used for wine, porter, beer, or cyder"; to hold, &c; 2 months. By writ, &c.

BILL. 5th Dec. 1821.

4624. A grant unto ROBERT BILL, of Newman Street, in the parish of Saint Mary-le-bone, in the county of Middlesex, esquire, for his invented "Improvement in the construction of certain descriptions of boates and barges"; to hold, &c; six months. By writ, &c.

WARCUP. 10th Dec. 1821.

4625. A grant unto WILLIAM WARCUP, of Dartford, in the county of Kent, engineer, for his invented "Certain improvements upon a machine for washing linen cloths, cotton cloths, or woollen cloths, whether in the shape of piece goods or of any article made up of linen cloth, cotton cloth, or woollen cloth"; to hold, &c; two months. By writ, &c.

HORROCKS. 14th Dec. 1821.

4626. A grant unto WILLIAM HORROCKS, of Portwood, within Bennington, in the county of Chester, cotton manufacturer, for his invented or found out "An improvement in the construction of looms for the weaving of cotton or linen cloth by power, commonly called power looms"; 2 months. By writ, &c.

WINTER. 19th Dec. 1821.

4627. A grant unto JAMES WINTER, of Stoke-under-Hamdon, in the cõy of Somerset, gentleman, for his invtd "Certain improvements in a machine for sewing and pointing leather gloves with neatness much superior to that which is effected by manual labour"; 2 months. By writ, &c.

BRIERLEY. 19th Dec. 1821.

4628. A grant unto SAMUEL BRIERLEY, of Salford, in the parish of Manchester, in the county of Lancaster, dyer, for his invtd "An improved method of preparing raw silk and cleansing the same for the purpose of dying and manufacturing"; two months. By writ, &c.

GLADSTONE. 20th Dec. 1821.

4629. A grant unto JOHN GLADSTONE, engineer and millwright, of Castle Douglas, in the stewartry of Kircudbright and county of Galloway, in North Britain, for his invented "Improvement or improvements in the construction of steam vessels, and mode of propelling such vessels by the application of steam or other power"; 6 months. By writ, &c.

GRIFFITH. 20th Dec. 1821.

4630. A grant unto JULIUS GRIFFITH, of Brompton Crescent, in the county of Middlesex, esquire, in consequence of discoveries made by himself and communications made to him by foreigners residing abroad he is in possession of "Certain improvements in steam carriages, and which steam carriages are capable of transporting merchandize of all kinds, as well as passengers, upon common roads, without the aid of horses"; six months. By writ, &c.

ERARD. 22nd Dec. 1821.

4631. A grant unto PIERRE ERARD, of Great Marlborough Street, in the county of Middlesex, musical instrument maker, in consequence of communications made to him by a certain foreigner residing abroad he is in possession of "An invention of certain improvements on piano fortes and other keyed instruments"; six months. By writ, &c.

LINTON. 22nd Dec. 1821.

4632. A grant unto GEORGE LINTON, of Gloster Street, Queen Sq., in the cõy of Middlesex, mechanist, for his invented or found out "A new method of propelling machinery without the aid of steam, water, wind, air, or fire"; six months. By writ, &c.

ORMROD. 7th Jan. 1822.

4633. A grant unto RICHARD ORMROD, of Manchester, in the county of Lancaster, iron founder, in consequence of a communication made to him by a certain person residing abroad he is in possession of "An improvement in the mode of heating liquids in boilers, and thereby accelerating and increasing the production of steam"; to hold, &c; six mos. By writ, &c.

HARFORD. 9th Jan. 1822.

4634. A grant unto RICHARD SUMMERS HARFORD, of Ebbw Vale Iron Works, in the parish of Aberystwith, in the county of Monmouth, ironmaster, being one of the people called Quakers, for his invented "Improvement in that department of the manufacture of iron commonly called puddling"; to hold, &c; four months. By writ, &c.

HARRIS. 9th Jan. 1822.

4635. A grant unto JAMES HARRIS, of Saint Mildreds Court, in the city of London, tea dealer, for his invtd "Improvement in the manufacture of shoes for horses and other cattle"; to hold, &c; six months. By writ, &c.

RAVENSCROFT. 14th Jan. 1822.

4636. A grant unto HUMPHREY WILLIAM RAVENSCROFT, of Serle Street, Lincolns Inn, in the parish of Saint Clement Danes, in the county of Middlesex, peruke maker, for his invented "Forensic wig, the curls whereof are

constructed on a principle to supersede the necessity of frizzing, curling, or using hard pomatum ; and for forming the curls in a way not to be uncurled; and also for the tails of the wig not to require tying in dressing, and further, the impossibility of any person untying them"; to hold, &c; two months. By writ, &c.

LOESCHMAN. ALLWRIGHT. 14th Jan. 1822.

4637. A grant unto DAVID LOESCHMAN, of Newman Street, Oxford Road, in the county of Middlesex, musical instrument maker, and JAMES ALLWRIGHT, of Little Newport Street, in the parish of Saint Anne, Soho, in the county of Middlesex, cheesemonger, in consequ^ce of a communication from a foreigner residing abroad, for "A new or improved keyed musical instrument, combining in itself many qualities never hitherto produced in one instrument, and possessing those qualities in clearness of sound, quality, distinctness, forte, piano, and delicacy of touch and shake on the keys or notes, by increasing to forte and decreasing to piano at the will of the performer"; to hold, &c; six months. By writ, &c.

GORDON. GORDON. 14th Jan. 1822.

4638. A grant unto ALEXANDER GORDON, of the city of London, and DAVID GORDON, of the city and county of Edinburgh, esquires, for their invt^d "Certain improv^ts and additions in the construction of lamps; and of compositions and materials to be burned in the said lamps, and which may also be burned in other lamps"; to hold, &c; six mo^s. By writ, &c.

GORDON. 14th Jan. 1822.

4639. A grant unto DAVID GORDON, of the city and county of Edinburgh, esquire, for his invt^d "Certain improvements and additions to steam packets and other vessels, part of which improvements are applicable to other naval and marine purposes"; to hold, &c; six months. By writ, &c.

APPLEGARTH. 14th Jan. 1822.

4640. A grant unto AUGUSTUS APPLEGARTH, of Duke Street, Letts Town, Lambeth, in the county of Surrey, printer, for his invt^d "Certain improvements in printing machines"; to hold, &c; 4 mo^s. By writ, &c.

HAGUE. 29th Jan. 1822.

4641. A grant unto JOHN HAGUE, of Great Pearl Street, Spitalfields, in the county of Middlesex, engineer, for his invented "Improved method of making metallic pipes, tubes, or cylinders, by the application and arrangem^t in apparatus of certain machinery and mechanical powers"; six months. By writ, &c.

CONGREVE. 29th Jan. 1822.

4642. A grant unto Sir WILLIAM CONGREVE, of Cecil Street, Strand, in the county of Middlesex, baronet, for his invented "Certain improved methods of multiplying fac simile impressions to any extent"; to hold, &c; six months. By writ, &c.

EWART. 29th Jan. 1822.

4643. A grant unto PETER EWART, of Manchester, in the county palatine of Lancaster, civil engineer, for his invented "New method of making coffer dams"; to hold, &c; two months. By writ, &c.

BILL. 5th Feb. 1822.

4644. A grant unto ROBERT BILL, of Newman Street, in the parish of Saint Mary-le-bone, in the county of Middlesex, gentleman, for his invented "Improved method of manufacturing metallic tubes, cylinders, cones, or of other forms, adapted to the construction and for the construction of the masts, yards, booms, bowsprits, or casks, or for any other purposes to which they may be applicable"; to hold, &c; six months.

TATTON. 9th Feb. 1822.

4645. A grant unto FREDERICK LOUIS TATTON, of New Bond S^t, in the county of Middlesex, watch maker, in consequence of discoveries by himself and a communication made to him by a certain foreigner residing abroad he

is in possession of "An astronomical instrument or watch, by which the time of the day, the progress of the celestial bodies, as well as carriages, horses, or other animals, may be correctly ascertained"; to hold, &c; two months. By writ, &c.

PALMER. 12th Feb. 1822.

4646. A grant unto GEORGE HOLWORTHY PALMER, of our Royal Mint, engineer, for his invented or found out "Certain improvements in the production of heat, by the application of well known principles, not hitherto made use of, in the construction of furnaces of steam engines and of air furnaces in general, whereby a considerable saving in the expenditure of fuel is obtained, and the total consumption of smoke may be effected"; six months. By writ, &c.

SMITH. 12th Feb. 1822.

4647. A grant unto JOHN FREDERICK SMITH, of Dunston Hall, in the parish of Chesterfield, in the county of Derby, esq., for his invented "Improvements in dressing of piece goods made from silk or worsted, or of both these materials"; 4 months. By writ, &c.

DAVIS. 12th Feb. 1822.

4648. A grant unto SAMSON DAVIS, of Upper East Smithfield, in the county of Middlesex, gun lock maker, for his invented "Improvement upon the locks for guns and other fire arms, which enables the same lock to be used upon the percussion principle, or with gun powder, without changing the lock or hammer"; two months. By writ, &c.

BRUNTON. 12th Feb. 1822.

4649. A grant unto THOMAS BRUNTON, of the Commercial Road, in the county of Middlesex, chain cable and anchor manufacturer, for his found out and discovered "Improvement or improvements upon the anchor, which he conceives will be of public utility"; six months. By writ, &c.

PECK. 22nd Feb. 1822.

4650. A grant unto ELISHA PECK, of Liverpool, in the county of Lancaster, merchant, that in consequence of a communication made to him by Ralph Buckley, a foreigner resident in the city of New York and a citizen of the United States of America, he is in possession of "An invention of a certain machinery, to be worked by water, applicable to the moving of mills and other machinery of various descriptions, or for forcing or pumping water"; six months. By writ, &c.

COCHRANE. 22nd Feb. 1822.

4651. A grant unto WILLIAM ERSKINE COCHRANE, esquire, of Somerset Street, Portman Square, in the county of Middlesex, for his invented "Certain improvements in the construction of lamps, whereby they are rendered capable of burning concrete oils, animal fat, and other similar inflammable substances"; to hold, &c; six months. By writ, &c.

BUCKLE. 2nd March 1822.

4652. A grant unto JOHN WILLIAM BUCKLE, of Mark Lane, in the city of London, merchant, in consequence of a communication made to him by John Parker Boyd, of Boston, in the United States of America, he is in possŏn of "Certain improvements in machinery for shaping or cutting out irregular forms in wood or any other materials or substances which admit of being cut by cutters or tools revolving with a circular motion, whether such motion be continuous or reciprocating"; two months. By writ, &c.

HIGGINS. 2nd March 1822.

4653. A grant unto JOHN HIGGINS, of Fulham, in the cŏy of Middx, esq., for his invented "Certain improvements upon the construction of carriages, which he conceives will be of great public utility"; six mos. By writ, &c.

YARDLEY. 2nd March 1822.

4654. A grant unto CHARLES YARDLEY, of Camberwell, glue manufacturer, for his invtd or found out "A new method of manufacturing glue from bones by means of steam, which invention he believes will be of general benefit and advantage"; two months. By writ, &c.

THOMPSON. 2nd March 1822.

4655. A grant unto JOHN THOMPSON, of Regent S^t^, Westminster, and of the London Steel Works, for his invented "A certain improvement in the method of forming or preparing steel for the manufacture of springs for carriages, but principally applicable to all those usually denominated coach springs"; two months. By writ, &^c^.

RUTHVEN. 2nd March 1822.

4656. A grant unto JOHN RUTHVEN, of the city of Edinburgh, printer, for his invented and brought to perfection "A new method of procuring a mechanical power"; 4 months. By writ, &^c^.

STRATTON. 2nd March 1822.

4657. A grant unto GEORGE STRATTON, of Hampstead Road, in the county of Middlesex, engineer, for his invented "Improved process of consuming smoke"; six months. By writ, &^c^.

GLADSTONE. 12th March 1822.

4658. A grant unto JAMES GLADSTONE, of Liverpool, in the county of Lancaster, ironmonger, for his invt^d^ "Chain, of a new and improved construction, which he conceives will be of great public utility"; to hold, &^c^; six months. By writ, &^c^.

BATE. 21st March 1822.

4659. A grant unto ROBERT BRETTELL BATE, of N^o^ 17, Poultry, in the city of London, optician, for his invented "Certain improvements upon hydrometers and saccharometers, which invention he believes will be of much benefit and utility"; two months to inroll. By writ, &^c^.

CONWELL. 21st March 1822.

4660. A grant unto WILLIAM EUGENE EDWARD CONWELL, of Madras, in the East Indies, but now residing at Ratcliffe Highway, in the parish of Saint George-in-the-East, in the county of Middlesex, surgeon, for his discovered "Improvement in the preparation and application of a certain purgative vegetable oil"; six months. By writ, &^c^.

ROBINSON. 21st March 1822.

4661. A grant unto SAMUEL ROBINSON, of Leeds, in the cõy of York, cloth dresser, for his invented "Certain improvements on a machine for shearing and cropping woollen cloth"; to hold, &^c^; six months. By writ, &^c^.

STEPHENSON. 21st March 1822.

4662. A grant unto GEORGE STEPHENSON, of Long Benton, in the county of Northumberland, engineer, for his invented "Certain improvements on steam engines"; to hold, &^c^; two months. By writ, &^c^.

HARFORD. 21st March 1822.

4663. A grant unto RICHARD SUMMERS HARFORD, of Ebbw Vale Iron Works, in the parish of Aberystwith, in the county of Monmouth, iron master (being one of the people called Quakers), for his invt^d^ "Improvement in the heating processes in the manufacture of bar, rod, sheet, and other description of malleable iron, whether the same may have been previously prepared by the pudling or other modes of refining"; to hold, &^c^; four months. By writ, &^c^.

CHURCH. 21st March 1822.

4664. A grant unto WILLIAM CHURCH, of Nelson Square, in the cõy of Surrey, gentleman, for his invented "Improved apparatus for printing"; to hold, &^c^; six months. By writ, &^c^.

CLARK. 21st March 1822.

4665. A grant unto ALEXANDER CLARK, of Dron, in the parish of Louchars, in the county of Fife, North Britain, esquire, for his invented "Improvement in the boilers and condensors of steam engines"; to hold, &^c^; six months. By writ, &^c^.

PRIDE. 16th April 1822.

4666. A grant unto WILLIAM PRIDE, of Uley, in the county of Gloucester, engineer, for his invented and "Self regulating apparatus for spooling and warping woollen or other warps or chains, which invention he believes will be of much benefit and utility"; two months. By writ, &^c^.

DANIELL.
16th April 1822.

4667. A grant unto WILLIAM DANIELL, of Abercrane, in the county of Monmouth, manufacturer of iron, for his discovered "Certain improvements in the rolling of iron into bars used for making or manufacturing tin plates"; two months. By writ, &c.

COOK.
16th April 1822.

4668. A grant unto BENJAMIN COOK, of Birmingham, in the county of Warwick, patent tube manufacturer, for his invented "A certain mixture or preparation which may be used with advantage in preventing the damage of accidents from fire"; six mos. By writ, &c.

GRIMSHAW.
16th April 1822.

4669. A grant unto JOHN GRIMSHAW, of Bishopwearmouth, in the county of Durham, rope maker (being one of the people called Quakers), for his invented and "Improved method of stitching, lacing, or manufacturing of flat ropes by means of certain rotative machinery connected with or worked by a steam engine or other rotative power, whereby the said stitching, lacing, or manufacturing of flat ropes is better executed than the same can be done or performed by any other method now in use," and which invention he apprehends will be of general benefit and of great public utility; to hold, &c; two months. By writ, &c.

ERARD.
24th April 1822.

4670. A grant unto PIERRE ERARD, of Great Marlborough Street, in the county of Middlesex, musical instrument maker, in consequence of communications made to him by a certain foreigner residing abroad and discoveries by himself he is in possession of an invention of "Certain improvements on harps"; to hold, &c; six months. By writ, &c.

DODD.
24th April 1822.

4671. A grant unto EDWARD DODD, of Saint Martins Lane, in the parish of Saint Martin, in the county of Middx, musical instrument maker, for his invented "Certain improvements on pedal harps"; six months. By writ, &c.

DELVEAN.
24th April 1822.

4672. A grant unto JAMES DELVEAN, of Wardour St, in the parish of Saint Anne, in the county of Middlesex, musical instrument maker, for his invented "Certain improvements on harps"; two months. By writ, &c.

FORD.
24th April 1822.

4673. A grant unto ROBERT FORD, of Abingdon Row, Goswell St Road, in the cõy of Middlesex, chemist, for his discovered "Chemical liquid, or solution of annotto"; to hold, &c; two months. By writ, &c.

KNIGHT.
KIRK.
9th May 1822.

4674. A grant unto RICHARD KNIGHT, of Forster Lane, Cheapside, London, ironmonger, and RUPERT KIRK, of Osborne Place, Whitechapel, in the county of Middlesex, dyer, for their invtd or found out "A process for the more rapid crystallization and for the evaporation of fluids at comparative low temperatures, by a peculiar mechanical application of air"; to hold, &c; two months. By writ, &c.

WOLLASTON.
4th June 1822.

4675. A grant unto HENRY SEPTIMUS HYDE WOLLASTON, of Clapton, in the county of Middlesex, merchant, for his invented "Bolt or fastening, particularly applicable as a night bolt"; to hold, &c; two months. By writ, &c.

HUXHAM.
4th June 1822.

4676. A grant unto WILLIAM HUXHAM, of Exeter, in the cõy of Devon, iron founder, for his invented "Certain improvements in the construction of roofs"; to hold, &c; six months. By writ, &c.

COLEBANK.
4th June 1822.

4677. A grant unto HENRY COLEBANK, of Broughton-in-Furness, in the parish of Kirkby-Ireleth, in the county of Lancaster, tallow chandler, for his invented "New and useful engine, lately constructed by him and now in his possession, for the purpose of cutting, twisting, and spreading of wick used

in the making of candles," by which great saving of manual labour is accomplished, and for the sole and exclusive right and privilege of making or selling and making and selling such engine ; to hold, &c ; two months. By writ, &c.

BARTON. 4th June 1822.

4678. A grant unto JOHN BARTON, deputy comptroller of our Mint, for his invented "Certain process for the application of the prismatic colours to the surface of steel and other metals, and using the same in the manufacture of various ornaments"; to hold, &c ; two months. By writ, &c.

FROST. 11th June 1822.

4679. A grant unto JAMES FROST, of Finchley, in the county of Middlesex, builder, for his invented or found out "A new cement or artificial stone," which invention he believes will be of general benefit and advantage ; two months. By writ, &c.

FEETHAM. 13th June 1822.

4680. A grant unto WILLIAM FEETHAM, of Ludgate Hill, in the city of London, stove maker and furnishing ironmonger, for his invented "Certain improvements on shower baths"; to hold, &c ; six months. By writ, &c.

GARDNER. 13th June 1822.

4681. A grant unto DENNY GARDNER, of Edmund Place, Aldersgate St, in the city of London, manufacturer, for his invented "Stay, particularly applicable to supporting the body under spinal weakness, and correcting deformity of shape"; two months. By writ, &c.

WASS. 15th June 1822.

4682. A grant unto JOSEPH WASS, of Lea Wharf, in the parish of Ashover, in the county of Derby, millwright and lead smelter, for his discovered "Improvement which prevents the ill effects to vegetation and animal life that has hitherto been occasioned by noxious fumes and particles that arise from smelting or calcining lead ore and other pernicious minerals"; to hold, &c ; six months. By writ, &c.

BRUNEL. 26th June 1822.

4683. A grant unto MARC ISAMBARD BRUNEL, of Chelsea, in the county of Middlesex, engineer, for his invented "Certain improvements on steam engines"; six months. By writ, &c.

GAUNTLETT. 26th June 1822.

4684. A grant unto THOMAS GAUNTLETT, of Bath, in the county of Somerset, surgeons instrument maker, for his invented "Certain improvements on vapour baths, by which the heat is better regulated and the baths rendered more portable"; to hold, &c ; two months. By writ, &c.

BRUNTON. 26th June 1822.

4685. A grant unto WILLIAM BRUNTON, of Birmingham, in the county of Warwick, engineer, for his invented "Certain improvements upon fire grates, and the means of introducing coal thereon"; to hold, &c ; six months. By writ, &c.

RABAUT. 26th June 1822.

4686. A grant unto LOUIS BERNARD RABAUT, of Skinners St, Snow Hill, in the city of London, gentleman, for his invented "An improved apparatus for the preparation of coffee or tea"; to hold, &c ; six months. By writ, &c.

POSTANS. JEAKES. 26th June 1822.

4687. A grant unto THOMAS POSTANS, of Charles Street, in the parish of Saint James, gent., and WILLIAM JEAKES, of Great Russell Street, Bloomsbury, ironmonger, for their invented "Improvement on cooking apparatus"; to hold, &c ; two months. By writ, &c.

SMART. 4th July 1822.

4688. A grant unto GEORGE SMART, of Pedlars Acre, Lambeth, in the county of Surrey, civil engineer, for his invtd "Improvement in the manufacture of chains, which he denominates 'mathematical chains'"; to hold, &c; six months. By writ, &c.

SMITH. 4th July 1822.

4689. A grant unto JOSEPH SMITH, of Sheffield, in the cõy of York, bookkeeper, for his found out "An improvement of or in the steam engine boiler"; to hold, &c; six months. By writ, &c.

BOLD. 4th July 1822.

4690. A grant unto JOHN BOLD, of West St, Wilson Street, Long Lane, Bermondsey, printer, for his invented "Certain improvemts in printing"; to hold, &c; six months. By writ, &c.

HOBSON. HOBSON. 27th July 1822.

4691. A grant unto JONAS HOBSON and JOHN HOBSON, of Mythom Bridge, in the parish of Kirkburton, in the county of York, woollen manufacturers and merchants, for their invented "New series of machinery, for the better, more effectual, and expeditious mode of shearing, cutting, and finishing woollen cloths, kersymeres, and all other description of cloths and piece goods which require the use of the sheares"; to hold, &c; two months. By writ, &c.

STANLEY. 27th July 1822.

4692. A grant unto JOHN STANLEY, of Chorlton Row, within the parish of Manchester, in the county of Lancaster, smith, for his invented "Certain machinery, calculated for a more efficacious mode of fuelling or supplying of furnaces in general with fuel, whereby a considerable reduction in the consumption of fuel, the appearance of smoke, and of labour is effected"; to hold &c; six months. By writ, &c.

PEARSE. 27th July 1822.

4693. A grant unto JOHN PEARSE, of Tavistock, ironmonger and clock and watch maker, for his invented "Certain improvements in the construction and manufacture of spring jacks and their connection with roasting apparatus"; to hold, &c; six months. By writ, &c.

PERRIER. 27th July 1822.

4694. A grant unto Sir ANTHONY PERRIER, of the city of Cork, knight, for his invented "Certain improvements in the apparatus for distilling, boiling, and concentrating by evaporation various sorts of liquids and fluids"; to hold, &c; six months. By writ, &c.

ROXBY. 31st July 1822.

4695. A grant unto ROBERT BENTON ROXBY, of Arbour Square, Stepney, in the county of Middlesex, gentleman, for his invtd "Certain improvements in or additions to the astronomical instruments known by the name of the quadrant"; to hold, &c; two months. By writ, &c.

CLELAND. 17th August 1822.

4696. A grant unto WILLIAM CLELAND, of the city of Glasgow, in North Britain, gent., for his invented "Improved apparatus for the purpose of evaporating liquids"; four months. By writ, &c.

MUSHET. 20th August 1822.

4697. A grant unto DAVID MUSHET, of Coleford, in the county of Gloucester, iron maker, for his invented "Improvement or improvements in the making or manufacturing of iron from certain slags or cinders produced in the working or making of that metal"; to hold, &c; six months. By writ, &c.

MITCHELL. 24th August 1822.

4698. A grant unto WILLIAM MITCHELL, of Glasgow, silversmith, for his invented and discovered "A process whereby gold and silver plate and other plate formed of ductile metals may be manufactured in a more perfect and expeditious manner than by any process which has hitherto been employed in such manufacture"; to hold, &c; six months. By writ, &c.

SOWERBY. 29th August 1822.

4699. A grant unto THOMAS SOWERBY, of Bishopwearmouth, in the county of Durham, merchant, for his invented or found out "A chain, upon a new and improved principle, suitable for ships cables and other purposes"; to hold, &c; two months. By writ, &c.

VAZIE.
3rd Sept. 1822.

4700. A grant unto ROBERT VAZIE, of Chasewater Mine, in the parish of Kenwyn, in the county of Cornwall, civil engineer, for his invented "An improvement in the compounding of different species of metals"; to hold, &c; six mos. By writ, &c.

BURGESS.
3rd Sept. 1822.

4701. A grant unto HENRY BURGESS, of Miles Lane, Cannon Street, in the city of London, merchant, for his invented "Certain improvements on wheeled carriages"; to hold, &c; six months. By writ, &c.

COLLIER.
27th Sept. 1822.

4702. A grant unto JOHN COLLIER, of Compton Street, Brompton Square, in the county of Middx, engineer, for his invented "Certain improvements upon machines for shearing cloth"; two months. By writ, &c.

GOODMAN.
27th Sept. 1822.

4703. A grant unto WILLIAM GOODMAN, of the city of Coventry and the borough of Warwick, hatter, for his invented "Certain improvements in looms"; six months. By writ, &c.

BOURDIEU.
27th Sept. 1822.

4704. A grant unto JOHN BOURDIEU, of Lime St, in the city of London, esq., in consequence of a communication made to him by a certain foreigner residing abroad he is become possessed of "A method or means of improving the preparation of colours for printing wove cloths"; to hold, &c; six months. By writ, &c.

BOOTHBY.
27th Sept. 1822.

4705. A grant unto BENJAMIN BOOTHBY, of the Iron Works, Chesterfield, in the county of Derby, iron master, for his invtd "An improved method of manufacturing cannon shot, by which a superior shot is produced in the solidity and smoothness of its external surface"; to hold, &c; two months. By writ, &c.

MOXON.
FRASER.
27th Sept. 1822.

4706. A grant unto JOHN DOWELL MOXON, of Liverpool, in the county of Lancaster, merchant and ship owner, and JAMES FRASER, of King St, Commercial Road, in the county of Middx, engineer, for their invented "Certain improvements in ships cabooses or hearths; and also for apparatus, to be occasionally connected therewith, for the purposes of evaporating and condensing water"; to hold, &c; six months. By writ, &c.

FATTON.
27th Sept. 1822.

4707. A grant unto FREDERICK LOUIS FATTON, of New Bond Street, in the cöy of Middlesex, watch maker, for his invented or discovered "Certain improvements on or additions to watches or chronometers in general, whereby they may be rendered capable of marking or indicating the precise moment of any desired observation or rapid succession of observations, and without the necessity of stopping the regular movement of the watch, as in ordinary stop watches"; to hold, &c; two months. By writ, &c.

BENINGFIELD.
BEALE.
27th Sept. 1822.

4708. A grant unto THOMAS TIMOTHY BENINGFIELD, of High Street, Whitechapel, in the county of Middlesex, tobacco manufacturer, and JOSHUA TAYLOR BEALE, of Christian St, Saint Georges-in-the-East, cabinet maker, for their invented "Certain improvements on steam engines"; to hold, &c; six months. By writ, &c.

WHITCHER.
PICKFORD.
WHITBOURN.
27th Sept. 1822.

4709. A grant unto JOHN WHITCHER, of Helmet Row, Old St, Saint Lukes, in the county of Middlesex, mechanic, MATTHEW PICKFORD, of Wood Street, in the city of London, common carrier, and JAMES WHITBOURN, of Goswell St, in the said cöy, coach smith, for their invented or found out "An improvement in the construction of wheels of wheeled carriages, and of all other vertical wheels of a certain size"; to hold, &c; two months. By writ, &c.

FROST. 27th Sept. 1822.

4710. A grant unto JAMES FROST, of Finchley, in the county of Midx, for his invented or found out "A new method of casting or constructing foundations, piers, walls, ceilings, arches, columns, pilasters, mouldings, and other enrichments to buildings"; two months. By writ, &c.

PRATT. 27th Sept. 1822.

4711. A grant unto SAMUEL PRATT, of Bond Street, in the county of Middlesex, trunk and camp equipage manufacturer, for his invented "Certain improved straps or bands to be used for securing luggage upon chaises or coaches, or for securing property generally when placed in exposed situations"; to hold, &c; six months. By writ, &c.

BINNS. BINNS. 18th October 1822.

4712. A grant unto THOMAS BINNS and JONAS BINNS, both of Tottenham Court Road, in the county of Middlesex, engineers, for their invented "Certain improvements in propelling vessels, and in the construction of steam engines and boilers, applicable to propelling vessels and other purposes"; six months. By writ, &c.

JONES. 18th October 1822.

4713. A grant unto WILLIAM JONES, of the parish of Bedwellty, in the county of Monmouth, engineer, for his invt^d "Certain improvements in the manufacturing of iron"; to hold, &c; two months. By writ, &c.

WILSON. 18th October 1822.

4714. A grant unto STEPHEN WILSON, of Streatham, in the county of Surrey, esq., for his invented "A new manufacture of worsted"; to hold, &c; six months. By writ, &c.

SOMES. 18th October 1822.

4715. A grant unto SAMUEL FRANCIS SOMES, of Broad Street, Ratcliffe, in the county of Middlesex, ship owner, for his invented "Improvement in the construction of anchors"; to hold, &c; six months. By writ, &c.

WILLIAMS. 18th October 1822.

4716. A grant unto JOHN WILLIAMS, of Cornhill, in the city of London, stationer, for his invented "Method to prevent the frequent removal of the pavement and carriage paths for laying down & taking up pipes, and for other purposes, in streets, roads, & public ways"; to hold, &c; two months. By writ, &c.

BRINDLEY. 18th October 1822.

4717. A grant unto STEPHEN BRINDLEY, of Frinsbury, near Rochester, in the county of Kent, ship builder, for his invt^d "Certain improvements in the construction and building of ships, boats, barges, and other vessels for navigation"; to hold, &c; six months. By writ, &c.

LEACH. 25th October 1822.

4718. A grant unto THOMAS LEACH, of Blue Boar Court, Friday Street, Cheapside, in the city of London, merchant, in consequence of communications made to him by a certain foreigner residing abroad, for his invented "Improvement in steam engines, by y^e application of steam immediately to a wheel, instead of the usual process"; four months. By writ, &c.

LANE. 28th October 1822.

4719. A grant unto URIAH LANE the younger, of Lambsconduit Street, in the united parishes of Saint Andrew, Holborn, and Saint George-the-Martyr, in the county of Middlesex, straw hat manufacturer, for his invt^d "An improvement in the platting of straw, and in manufacturing bonnets and other articles therefrom"; to hold, &c; two months.

PIPER. 1st Nov. 1822.

4720. A grant unto WILLIAM PIPER, of Cookley Iron Works, in the parish of Wolverley, in the county of Worcester, civil engineer, for his invt^d "Several new anchors for the use of shipping and other vessels"; to hold, &c; two months. By writ, &c.

FLINT. 1st Nov. 1822.

4721. A grant unto ALFRED FLINT, of Uley, in the county of Gloucester, engineer, for his invented "A machine for scouring, pising, and washing of woollen cloths"; to hold, &c; two months. By writ, &c.

OXFORD. 1st Nov. 1822.

4722. A grant unto JOHN OXFORD, of Little Britain, in the city of London, gentleman, for his invented "An improved method of preventing premature decay in timber, metallic substances, and canvas, by the application whereof to such several bodies resply the same are resply rendered impervious to the dry rot, damp rot, worms, insects, or rust, to which the same are respectively liable, & the same are thereby rendered more durable and less liable to decay"; to hold, &c; two months. By writ, &c.

MOXON. 9th Nov. 1822.

4723. A grant unto JOHN DOWELL MOXON, of Liverpool, in the county palatine of Lancaster, ship owner and merchant, for his invented or found out "Improvements in the construction of bridges, and works of a similar nature"; to hold, &c; six months. By writ, &c.

DEAKIN. 9th Nov. 1822.

4724. A grant unto FRANCIS DEAKIN, of Birmingham, in the county of Warwick, sword manufacturer, for his invented "An improvement in the manufacture of holster cases, cartouch boxes, and certain other description of cases"; to hold, &c; two months. By writ, &c.

JEKYLL. 9th Nov. 1822.

4725. A grant unto JOHN JEKYLL, of Roundhill House, in the parish of Wincanton, in the county of Somerset, captain in His Majesty's navy, for his invented "Certain improvements in steam or vapour baths, to render the same more portable and convenient than those in present use"; to hold, &c; two months. By writ, &c.

ROBERTS. 14th Nov. 1822.

4726. A grant unto RICHARD ROBERTS, of Manchester, in the cõy of Lancaster, civil engineer, for his invented or found out "Certain machinery or implements, applicable to the process of weaving plain or figured cloths or fabrics, which may be used on and in conjunction with looms now in common use; and also certain improvements in the construction of looms for weaving plain and figured cloths or fabrics, and in the method of working looms, either by hand or by steam or other power"; to hold, &c; six months. By writ, &c.

EGG. 26th Nov. 1822.

4727. A grant unto JOSEPH EGG, of Piccadilly, in the parish of Saint James, in the city of Westminster, gun maker, for his invt[d] and discovered "Certain improvements in the construction of guns and fire arms, upon the self priming and detonating principle"; two months. By writ, &c.

IBBOTSON. 28th Nov. 1822.

4728. A grant unto HENRY IBBOTSON, of Sheffield, in the county of York, fender manufacturer, for his invented "Fender, capable of being extended or contracted in length, so as to fit fire places of different dimensions"; to hold, &c; two months. By writ, &c.

DIXON. 28th Nov. 1822.

4729. A grant unto JOHN DIXON, of Wolverhampton, in the cõy of Stafford, brass founder, for his invented "Certain improvements on cocks, such as are used for drawing off liquids"; to hold, &c; two months. By writ, &c.

WOOLLAMS. 5th Dec. 1822.

4730. A grant unto JOSEPH WOOLLAMS, of the city of Wells, in the county of Somerset, land agent, for his invented "Certain improvements in wheeled carriages of various descriptions, to counteract the falling and facilitate the labour of animals attached to them, and to render persons and property in and near them more secure from injury"; six months. By writ, &c.

ROBSON. 10th Dec. 1822.

4731. A grant unto WILLIAM ROBSON, of Saint Dunstans Hill, Tower Street, in the city of London, printer and stationer, for his invented "Method to prevent or protect against fraudulent practices upon bankers checks, bills of exchange, and various species of mercantile, commercial, and other correspondence"; to hold, &c; six months. By writ, &c.

PERKINS. 10th Dec. 1822.

4732. A grant unto JACOB PERKINS, late of Philadelphia, in the United States of America, but now of Fleet St, in the city of London, engineer, in consequence of communications made to him by a certain foreigner residing abroad, & discoveries by himself, he is in possession of an invn of "Certain improvements in steam engines"; six months. By writ, &c.

PARKER. 10th Dec. 1822.

4733. A grant unto SAMUEL PARKER the younger, of Argyle St, in ye parish of St James, Westr, in the cõy of Middx, bronzist, for his invtd "Certain improvements in the construction of lamps"; to hold, &c; two months. By writ, &c.

BUNDY. 16th Dec. 1822.

4734. A grant unto WILLIAM BUNDY, of Fulham, in the county of Middlesex, mathematical instrument maker, for his invented "Machine for breaking, cleaning, and preparing flax, hemp, and other vegetable substances containing fibre"; to hold, &c; six months. By writ, &c.

DUDLEY. 16th Dec. 1822.

4735. A grant unto THOMAS BARNARD WILLIAMSON DUDLEY, of King St, in the parish of St Ann, Westr, in the cõy of Middlesex, mechanist, for his invented "Method of making or manufacturing malleable cast metal shoes for draft and riding horses, and other animals, upon a new and improved plan or principle"; to hold, &c; six months. By writ, &c.

NICHOLSON. 16th Dec. 1822.

4736. A grant unto JOHN NICHOLSON, of Brook St, Lambeth, in the cõy of Surrey, civil engineer, for his invented "Certain apparatus for the more conveniently applying heat to certain instrument of domestic use"; to hold, &c; six months. By writ, &c.

DUMBELL. 16th Dec. 1822.

4737. A grant unto JOHN DUMBELL, of Howley House, Warrington, in the county palatine of Lancaster, merchant, for his invented "Certain improvements relative to carriages, which may be applied thereto, or in improving of the organization, drawing, actuating, accelerating, or moving of vehicles, of carriages in general"; to hold, &c; six months. By writ, &c.

BAINBRIDGE. 16th Dec. 1822.

4738. A grant unto JOHN BAINBRIDGE, of Bread Street, Cheapside, in the city of London, merchant, in consequence of a communication made to him by Amos Thayer junior, of ye city of Albany, in the United States of America, merchant, he is in possession of "Certain improvements on rotatory steam engines"; to hold, &c; six mos. By writ, &c.

WILKS. 20th Dec. 1822.

4739. A grant unto MATTHIAS WILKS, of Dartford, in the county of Kent, seed crusher, for his invented or found out "A new method of refining oil produced from seed"; to hold, &c; six months. By writ, &c.

LINLEY. 20th Dec. 1822.

4740. A grant unto THOMAS LINLEY, of Sheffield, in the county of York, bellows maker, for his invented and found out "A new method, different from any than has hitherto been invented or known, of increasing the force or power of bellows"; to hold, &c; two months. By writ, &c.

JELF.
20th Dec. 1822.

4741. A grant unto Sir JAMES JELF, of Oaklands, near Newnham, in the county of Gloucester, knight, for his invented "Combination of machinery, for working and ornamenting marble and other stone for jams, mantles, chimney pieces, and other purposes"; to hold, &c; six months.
By writ, &c.

HAWKINS.
MORDAN.
20th Dec. 1822.

4742. A grant unto JOHN ISAAC HAWKINS, of Pentonville, civil engineer, and SAMPSON MORDAN, of Union St, City Road, portable pen maker, for their invented "Improvements on pencil holders or port crayons, and on pens, for the purpose of facilitating writing & drawing, by rendering the frequent cutting or mending of the points or nibs unnecessary"; to hold, &c; six months.
By writ, &c.

PASS.
20th Dec. 1822.

4743. A grant unto WILLIAM PASS, of Courtain Road, in the parish of St Leonard, Shoreditch, in the county of Middlesex, dyer, for his invented "Improvement in calcining and smelting of various descriptions of ore"; to hold, &c; six months.
By writ, &c.

RICHARDS.
26th Dec. 1822.

4744. A grant unto GEORGE RICHARDS, of Truro, in the county of Cornwall, architect, for his invented "Certain improvements in grate stoves, furnaces, and other inventions for the consumption of fuel, and in the flues connected with them, whereby they are rendered more safe, and the smoke prevented from returning into the rooms in which they are placed; and also for an improved apparatus for cleansing the same"; to hold, &c; six months.
By writ, &c.

ROGERS.
26th Dec. 1822.

4745. A grant unto THOMAS ROGERS, of Store St, Bedford Square, in the cõy of Middlesex, esq., for his invented "A method or apparatus for the purpose of attaching trowsers and gaiters to boots and shoes"; to hold, &c; six months.
By writ, &c.

NEVILLE.
8th Jan. 1823.

4746. A grant unto JAMES NEVILLE, of New Walk, Shad Thames, in the county of Surrey, civil engineer, for his invtd or found out "An improved method of producing and applying heat to, and constructing and erecting furnaces and other reservoirs severally used for the various purposes of roasting and smelting metallic ores or other substances, melting metals or any other matter, and for heating pans or boilers, or substances usually contained in pans or boilers, in various operations of producing steam, distilling, brewing, dying, boiling or baking sugar, boiling soap, or any other manipulation or operation in which the application of heat is necessary; and also for the purpose of producing and applying heat to furnaces, pans, boilers, and reservoirs already erected and used or to be used for the purposes above mentioned; and likewise for effecting a saving in fuel, and producing a more complete combustion of smoke than at present takes place, as well as a better mode than any now in use of collecting and preserving any volatile substance contained in or combined with metallic ores or other substances in the operation of which heat is necessary; and for the purpose of applying heat to the operations of baking or dying substances in kilns, floors, or in racks, or in ovens"; to hold, &c; six months.
By writ, &c.

JOHNSON.
8th Jan. 1823.

4747. A grant unto WILLIAM JOHNSON, of Great Totham, in the county of Essex, gentleman, for his invented "A means of obtaining the power of steam, for the use of steam engines, with reduced expenditure of fuel"; six months.
By writ, &c.

LISTER. 16th Jan. 1823.

4748. A grant unto WILLIAM LISTER, of Baildon, in the parish of Otley, in the county of York, cotton spinner, for his invented "Certain improvements in the method and machinery for preparing and spinning wool, silk, mohair, or other animal fibre of any quality or length of staple"; to hold, &c; six months. By writ, &c.

COPLAND. 16th Jan. 1823.

4749. A grant unto ROBERT COPLAND, of Wilmington Square, in the parish of Clerkenwell, in the county of Middlesex, gentleman, for his invented "Combinations of apparatus for gaining power, part of which are improvements upon a Patent already obtained by him for a new or improved method or methods of gaining power, by new or improved combinations of apparatus, applicable to various purposes"; to hold, &c; 15 months. By writ, &c.

MILLER. 16th Jan. 1823.

4750. A grant unto GEORGE MILLER, of Lincolns Inn, in the county of Middlesex, brevet lieutenant colonel in our royal brigade, for his invented "Method or plan for communicating the spiral motion to shot and shells when fired from plain barrels, and for igniting, by percussion, shells to which the spiral motion has been thus communicated"; two months. By writ, &c.

TAYLOR. 16th Jan. 1823.

4751. A grant unto JAMES TAYLOR, of Raven Row, Mile End, in the county of Middlesex, master mariner, for his invented "New method of constructing the bottoms of merchant ships, and placing the pumps so as to prevent damage to the cargoes by the bilge water"; to hold, &c; two months. By writ, &c.

SMITH. 20th Jan. 1823.

4752. A grant unto JUNIUS SMITH, of Old Broad Street, in the city of London, merchant, for his invented "Certain improvements in a machine for washing, cleansing, and whitening cotton, linen, silk, and woollen garments or piece goods"; to hold, &c; six months. By writ, &c.

GOSSAGE. 11th Feb. 1823.

4753. A grant unto WILLIAM GOSSAGE, of Leamington Priors, in the county of Warwick, chemist and druggist, for his invented or found out "A portable alarum, to be attached to & detached from clocks and watches, and which may be regulated to take effect at any given period of time"; to hold, &c; two months. By writ, &c.

PARTRIDGE. 14th Feb. 1823.

4754. A grant unto NATHANIEL PARTRIDGE, of Bow Bridge, near Stroud, in the county of Gloucester, dyer, for his invented "Improvements in the setting or fixing of steam boilers or other coppers, by which a considerable saving of fuel will be effected, and the smoke more effectually consumed"; to hold, &c; six months. By writ, &.

FULLER. 18th Feb. 1823.

4755. A grant unto THOMAS FULLER, of the city of Bath, in the county of Somerset, coach builder, for his invented "Improvement in the construction of shafts, and the mode of attaching them to two wheeled carriages"; to hold, &c; two months. By writ, &c.

CHELL. 18th Feb. 1823.

4756. A grant unto PHILIP CHELL, of Earles Court, Kensington, in the county of Middlesex, engineer, for his invented "Certain imprts on machinery for drawing, roving, and spinning hemp, flax, and waste silk"; six months. By writ, &c.

APPLEGATH. 18th Feb. 1823.

4757. A grant unto AUGUSTUS APPLEGATH, of Duke St, Stamford Street, Blackfriars, in the county of Surrey, printer, for his invented "Certain improvements in printing machines"; to hold, &c; six months. By writ, &c.

BURY.
18th Feb. 1823.

4758. A grant unto THOMAS BURY, of Salford, Manchester, in the county palatine of Lancaster, dyer, for his invented "Improvement in dying or producing a permanent nankeen colour on cotton, wool, skein yarn, and certain other articles"; to hold, &c; two months. By writ, &c.

DEAKIN.
18th Feb. 1823.

4759. A grant unto FRANCIS DEAKIN, of Birmingham, in the county of Warwick, sword maker, for his invented "Improv^{ts} to piano fortes and other stringed instruments"; to hold, &c; six months. By writ, &c.

CHURCH.
18th Feb. 1823.

4760. A grant unto WILLIAM CHURCH, of Nelson Sq., in the county of Surrey, gentleman, for his invented "Improved apparatus for printing, to be used for type, block, or plate printers"; to hold, &c; six months. By writ, &c.

HARPUR.
BAYLIS.
18th March 1823.

4761. A grant unto GEORGE EMANUEL HARPUR and BENJAMIN BAYLIS, of Weedon, in the county of Northampton, engineers, for their invented "New method of impelling machinery"; to hold, &c; six months. By writ, &c.

BADNELL.
18th March 1823.

4762. A grant unto RICHARD BADNELL the younger, of Leek, in the county of Stafford, silk manufacturer, for his invented "Certain improv^{ts} in the throwing, twisting, or spinning of sewing silk, organzine, bergam, and such other descriptions of silk as the said impr^{ts} may be applicable to"; to hold, &c; six months. By writ, &c.

PRICE.
18th March 1823.

4763. A grant unto HENRY HABBERLEY PRICE, of Neath Abbey, in the cŏy of Glamorganshire, engineer (being one of the people called Quakers), for his invented "Apparatus for giving increased effect to paddles used in steam vessels, applicable to rotary movements by which they are generally worked"; to hold, &c; six months. By writ, &c.

CRIGHTON.
CRIGHTON.
18th March 1823.

4764. A grant unto WILLIAM CRIGHTON and JOHN CRIGHTON, both of Manchester, in the cŏy palatine of Lancaster, machine makers, for their invt^{d} "Improvement in the construction of the cylinders used in carding engines and other machines employed in the preparation for the spinning of cotton, flax, wool, silk, and mixtures of the s^{d} materials or substances"; to hold &c; six months. By writ, &c.

BAILEY.
HORNE.
18th March 1823.

4765. A grant unto WILLIAM BAILEY, of High Holborn, in the cŏy of Middx, ironmonger, and THOMAS HORNE the younger, of Belmont Row, Birmingham, in the cŏy of Warwick, brass founder, for their invented "Improvements in the manufacture of metallic window frames, and other metallic mouldings applicable to the ornamenting of furniture"; to hold, &c; six months. By writ, &c.

ROGERS.
18th March 1823.

4766. A grant unto THOMAS ROGERS, of Buckingham S^{t}, Strand, in the county of Middlesex, esq., for his invt^{d} "Improvement on stays or bodices, which improvement is also applicable to boots"; to hold, &c; six months. By writ, &c.

HOPE.
18th March 1823.

4767. A grant unto WILLIAM HOPE, of Jedburgh, in the cŏy of Roxburgh, North Britain, iron founder, for his invt^{d} "Certain improvements in the construction of printing presses"; to hold, &c; 2 months. By writ, &c.

HANCOCK.
22nd March 1823.

4768. A grant unto THOMAS HANCOCK, of Goswell Mews, in the parish of Saint Luke, Old Street, in the county of Middlesex, patent cork manufacturer, for his found out and discovered "Improvement in the preparation for various useful purposes of pitch and tar separately, or in union by an admixture of other ingredients with either or both of them"; to hold, &c; six months. By writ, &c.

WICKHAM. 24th March 1823.

4769. A grant unto THOMAS WICKHAM, of the town and county of the town of Nottingham, lace manufacturer, for his invtd "A compound paste and liquid, to be used for the purpose of improving and colouring lace and net, and all other manufactured articles made of flax, cotton, wool, silk, or any other animal or vegetable substance, whether the fabrick of the same be composed of holes or interstices, or of open or close work, or otherwise, and to be applied in the process of getting up, dressing, or colouring the same"; to hold, &c; two months. By writ, &c.

JESSOP. 27th March 1823.

4770. A grant unto WILLIAM JESSOP, of Butterley Hall, in the county of Derby, ironmaster, for his invented "An elastic metallic piston, or packing of pistons, to be applied either externally or internally to cylinders"; to hold, &c; two months. By writ, &c.

WARCUP. 3rd April 1823.

4771. A grant unto WILLIAM WARCUP, of Dartford, in the county of Kent, engineer, for his invented "An improvement or improvements in the construction of a machine called a mangle"; to hold, &c; 2 months to inroll. By writ, &c.

FROST. 3rd April 1823.

4772. A grant JAMES FROST, of Finchley, in the county of Middlesex, builder, for his invented "Certain improvements in the process of calcining and preparing calcarious and other substances for the purpose of forming cements"; to hold, &c; six months. By writ, &c.

POPE. 8th April 1823.

4773. A grant unto CHRISTOPHER POPE, of the city of Bristol, spelter maker and metal merchant, for his invented "A composition of certain metals to be used for the purpose of sheathing the bottoms of ships and vessels, and of roofing the tops of houses, or for any other purpose for which such composition may be applicable"; to hold, &c; two months. By writ, &c.

ACRAMAN. PIPER. 12th April 1823.

4774. A grant unto DANIEL WADE ACRAMAN, of the city of Bristol, iron manufacturer, and WILLIAM PIPER, of the Cookley Iron Works, near Kidderminster, in the cõy of Worcester, iron, manufacturer, for their invented "Certain improvements in the preparation of iron for the better manufacture of chains and chain cables"; to hold, &c; two months. By writ, &c.

HANCHETT. 12th April 1823.

4775. A grant unto JOHN MARTIN HANCHETT, of Crescent Place, Blackfriars, in the city of London, companion of the most hoñble order of the bath, for his invented "Certain improvements in propelling boats and vessels"; to hold, &c; six months. By writ, &c.

FRANCIS. 12th April 1823.

4776. A grant unto JOHN FRANCIS, of the city of Norwich, shawl and bombazine manufacturer, for his invented and discovered "An improvement in the process of making or manufacturing a certain article or fabric, composed of silk and worsted, for useful purposes"; to hold, &c; two months. By writ, &c.

GRAULHIE. 16th April 1823.

4777. A grant unto GERARD GRAULHIE, of Castle Street, Holborn, in the city of London, gentleman, in consequence of communications made to him by certain foreigners residing abroad and discoveries by himself he is in possession of "A machine or apparatus, upon a new and portable construction, capable of being inclined in different degrees, adapted to the conveyance of persons and goods over the water or ravines, for military or other objects; and applicable also to purposes of recreation and exercise"; to hold, &c; six months. By writ, &c.

JOHNSON. 16th April 1823.

4778. A grant unto JOSEPH JOHNSON, of Waterloo Bridge Wharf, in the county of Middx, for his invented "Certain improvements on drags to be used for carriages"; to hold, &c; six months. By writ, &c.

HALL.
18th April 1823.

4779. A grant unto SAMUEL HALL, of Basford, in the county of Nottingham, cotton spinner, for his invented "A certain method of improving lace net, muslin, calico, and any other description of manufactured goods whose fabric is composed of holes or interstices, and also thread or yarn, as usually manufactured, of any kind, whether the said manufactured goods or the said thread or yarn be fabricated from flax, cotton, silk, worsted, or any other substance or mixture of substances whatsoever"; to hold, &c; six months. By writ, &c.

SOUTHWORTH.
19th April 1823.

4780. A grant WILLIAM SOUTHWORTH, of Sharples, in the cõy of Lancaster, bleacher, for his invt^d "Certain machinery or apparatus adapted to facilitate the operation of drying calicoes, muslins, linens, and other similar fabrics"; to hold, &c; two months. By writ, &c.

WINTER.
22nd April 1823.

4781. A grant unto ROBERT WINTER, of Fen Court, in the city of London, esq., for his invented or found out "An improved method of conduct^s the process of distillation"; to hold, &c; 6 months. By writ, &c.

TYERS.
22nd April 1823.

4782. A grant unto ROBERT JOHN TYERS, of Piccadilly, in the county of Middx, fruiterer, for his invt^d "Machine or apparatus, to be attached to boots, shoes, or other covering of the feet, for the purposes of travelling or pleasure"; to hold, & ; six months. By writ, &c.

PALMER.
22nd April 1823.

4783. A grant unto WILLIAM PALMER, of Lothbury, in the city of London, paper hanger, for his invt^d "Certain improvements in machinery for the purpose of printing or staining paper for paper hangings"; to hold, &c; four months. By writ, &c.

SPILSBURY.
22nd April 1823.

4784. A grant unto FRANCIS GYBSON SPILSBURY, of Walsal, in the county of Stafford, for his invented "Certain improvements in tanning"; to hold, &c; six mo^s. By writ, &c.

DEAKIN.
22nd April 1823.

4785. A grant unto FRANCIS DEAKIN, of Birmingham, in the cõy of Warwick, wire drawer, for his invented "Improved method of manufacturing furniture for an improvement to the mounting of umbrellas and parasols"; to hold, &c; six mo^s. By writ, &c.

RAWLINS.
22nd April 1823.

4786. A grant unto JAMES RAWLINS, of Penton Place, Pentonville, in the county of Middlesex, gent., for his invented "Bedstead machine or apparatus for the relief of invalids"; to hold, & ; six months. By writ, &c.

HALL.
22nd April 1823.

4787. A grant unto JOHN HALL the younger, of Dartford, in the cõy of Kent, engineer, for his invented discovery of "An improvement or improvements in the machinery to be employed for effecting or producing the pressure on linseed, rapeseed, or any other oleaginous seeds or substances from which oil can be expressed, for the purpose of expressing oil from the aforesaid seeds or substances"; to hold, &c; two months. By writ, &c.

TAYLOR.
29th April 1823.

4788. A grant unto JOSEPH TAYLOR, of Manchester, in the cõy palatine of Lancaster, machine maker (being one of the people called Quakers), for his invt^d "Certain improved machinery or apparatus to facilitate or improve the operation of spinning, doubling, and throwing silk, cotton, wool, or flax, or mixtures of the said substances"; to hold, &c; six months. By writ, &c.

BOURDIEU.
29th April 1823.

4789. A grant unto JOHN BOURDIEU, of Lime Street, in the city of London, esq., in consequence of communications made to him by a certain foreigner residing abroad he is in possession of a discovery and "Preparation of a mucilage or thickening matter, to be used in printing or colouring linen, woollen, and cotton cloths and silks, in cases in which gums, mucilages, and other thickening matters are now employed"; to hold, &c; 4 months. By writ, &c.

CASLON.
10th May 1823.

4790. A grant unto WILLIAM CASLON the younger, of Burton Crescent, in the county of Middlesex, proprietor of gas works, for his invt^d "Certain improvements in the construction of gasometers"; to hold, &c; six months. By writ, &c.

EYRE.
15th May 1823.

4791. A grant unto EDWARD EYRE, of Sheffield, in the county of York, fender manufacturer, for his invented or found out "An improvement in the manufacture of fenders of brass, iron, or steel"; to hold, &c; two months. By writ, &c.

PERKINS.
17th May 1823.

4792. A grant unto JACOB PERKINS, of Fleet S^t, in the city of London, engineer, for his invented "Improvements in the mode of heating, boiling, evaporat^g by steam of fluids in pans, boilers, or other vessels"; to hold, &c; six months. By writ, &c.

PEEL.
27th May 1823.

4793. A grant unto THOMAS PEEL, of Manchester, in the cõy palatine of Lancaster, for his invented "A rotary engine, for the purpose of communicating motion by means of steam or other gaseous media"; to hold, &c; six months. By writ, &c.

OLLERENSHAW.
27th May 1823.

4794. A grant unto EDWARD OLLERENSHAW, of Manchester, in the cõy of Lancaster, for his invented or found out "A method of dressing or finishing hats by means of certain machinery and implements to be used and applied thereto"; to hold, &c; six mo^s. By writ, &c.

WILSON.
31st May 1823.

4795. A grant unto STEPHEN WILSON, of Streatham, in the cõy of Surrey, esq., in consequence of his own discoveries and communications made to him by foreigners residing abroad he is in possession of "Certain improvements in machinery for weaving and winding"; to hold, &c; six months. By writ, &c.

MILLS.
FAIRMAN.
31st May 1823.

4796. A grant unto JOHN MILLS, of S^t Clement Danes, in the cõy of Middx, and of Silver S^t, in the city of London, and HERMAN WILLIAM FAIRMAN, of Silver S^t, in the city of London, merchants, in consequence of communications made to them by a certain foreigner residing abroad, in possession of "Certain improvements in rendering leather, linen, flax, sail-cloth, and certain other articles water proof"; to hold, &c; 2 months. By writ, &c.

BADNALL.
3rd June 1823.

4797. A grant unto RICHARD BADNALL, of Leek, in the county of Stafford, silk manufacturer, for his invented "Certain improv^ts in dying"; to hold, &c; two months. By writ, &c.

ATTWOOD.
3rd June 1823.

4798. A grant unto THOMAS ATTWOOD, of Birmingham, in the county of Warwick, in consequence of a communication made to him by a person residing abroad he is in possession of "Certain improvements in the making of cylinders for the printing of cottons, calicoes, and other articles"; to hold, &c; six mo^s. By writ, &c.

MILES.
3rd June 1823.

4799. A grant unto THOMAS MILES, of Dudbridge, near Stroud, in the cõy of Gloucester, cloth dresser, in consequence of communications made to him by certain foreigners residing abroad he is in possession of "Certain improvements on machines for shearing or cropping woollen cloths"; to hold, &c; six months. By writ, &c.

PERKINS.
5th June 1823.

4800. A grant unto JACOB PERKINS, late of Philadelphia, in the United States of America, but now of Fleet S^t, in the city of London, engineer, in consequence of communications made to him by a certain foreigner residing abroad and discoveries by himself he is in possession of an invent^n of "Certain improvements in steam engines"; to hold, &c; six months. By writ, &c.

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